



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
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State of West Virginia  
 Request for Quotation

Proc Folder: 59506

Doc Description: ADDENDUM NO. 3 CHEMISTRY ANALYZER AND REAGENTS

Proc Type: Central Master Agreement

| Date Issued | Solicitation Closes    | Solicitation No         | Version |
|-------------|------------------------|-------------------------|---------|
| 2015-03-10  | 2015-03-24<br>13:30:00 | CRFQ 0506 MMB1500000003 | 4       |

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number: Beckman Coulter, Inc.  
 250 S. Kraemer Blvd.  
 Brea, CA 92821  
 800-526-3821

03/24/15 12:27:15  
 WV Purchasing Division

**FOR INFORMATION CONTACT THE BUYER**

Gregory Clay  
 (304) 558-2566  
 gregory.c.clay@wv.gov

Signature X *Noel Beemel* FEIN # 95-1040600

DATE 3/23/15

All offers subject to all terms and conditions contained in this solicitation

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 1    | DIMENSION RXL-MAX- BCI AU480<br>INTEGRATED CHEMISTRY | 1.00000 | EA         | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer      | Specification | Model #                            |
|-----------|-------------------|---------------|------------------------------------|
| 41115807  | SIEMENS OR EQUAL- |               | DIMENSION RXL-MAX- ----<br>INTEGRA |

**Extended Description :**  
3.1.1 Dimension RxL Max Integrated Chemistry System or equal

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| Line | Comm Ln Desc                                       | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 2    | ALBUMIN (ALB), DF13, 480 TEST<br>PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF13 OR EQUAL | BCI Part#A91965 |

**Extended Description :**  
3.1.2 Albumin (ALB), DF13, 480 test per unit or equal

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| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 3    | UREA NITROGEN (BUN), DF21, 480<br>TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF21 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.3 Urea Nitrogen (BUN), DF21, 480 test per unit or equal

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| Line | Comm Ln Desc                                    | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 4    | CALCIUM (CA), DF23A, 480 TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification   | Model #         |
|-----------|-----------------|-----------------|-----------------|
| 41116004  | Beckman Coulter | DF23-A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.4 Calcium (CA), DF23A, 480 test per unit or equal

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| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 5    | CHOLESTEROL (CHOL), DF27, 480 TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF27 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.5 Cholesterol (CHOL), DF27, 480 test per unit or equal

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|---|--|---|--|
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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 6    | CREATININE (CREA), DF33A, 480<br>TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF33A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.6 Creatinine (CREA), DF33A, 480 test per unit or equal

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| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 7    | ENZYMATIC CO2 (ECO2), DF137,<br>360 TEST PER UNIT OR EQUAL | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF137 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.7 Enzymatic CO2 (ECO2), DF137, 360 test per unit or equal

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| Line | Comm Ln Desc                                       | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 8    | GLUCOSE (GLU), DF40, 960 TEST<br>PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |



| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coutler | DF40 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.8 Glucose (GLU), DF40, 960 test per unit or equal

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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 9    | PHOSPHORUS (PHOS), DF61, 480 TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF61 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.9 Phosphorus (PHOS), DF61, 480 test per unit or equal

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|---|---|
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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 10   | TOTAL BILIRUBIN (TBIL), DF67A, 480 TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF67A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.10 Total Billirubin (TBIL), DF67A, 480 test per unit or equal

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| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 11   | TOTAL PROTEIN (TPROT), DF73,<br>480 TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF73 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.11 Total Protein (TPROT), DF73, 480 test per unit or equal

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|---|--|---|--|
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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 12   | URIC ACID (URCA), DF77, 480<br>TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF77 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.12 Uric Acid (URCA), DF77, 480 test per unit or equal

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| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 13   | ALKALINE PHOSPHATE (ALP),<br>DF15A, 360 TEST PER UNIT OR | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF77 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.13 Alkaline Phosphate (ALP), DF15A, 360 test per unit or equal

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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                      | Total Price |
|------|---|---------|------------|---|-------------|
| 14   | CREATININE KINASE (CK), DF29A, 480 TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF29A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.14 Creatinine Kinase (CK), DF29A, 480 test per unit or equal

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| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 15   | DIRECT BILIRUBIN (DBIL), DF25A, 320 TEST PER UNIT OR EQUAL | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF25A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.15 Direct Bilirubin (DBIL), DF25A, 320 test per unit or equal

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| Line | Comm Ln Desc                                 | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 16   | GAMMA GLUTANYL TRANSFERASE (GGT), DF45A, 288 | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF45A OR EQUAL | BCI Part#A91965 |

**Extended Description :**  
3.1.16 Gamma Glutanyl Transferase (GGT), DF45A, 288 test per unit or equal

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| Line | Comm Ln Desc                      | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|-----------------------------------|---------|------------|--|-------------|
| 17   | ASPARTATE AMINOTRANSFERASE (AST), | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF41A OR EQUAL | BCI Part#A91965 |

**Extended Description :**  
3.1.17 Aspartate Aminotransferase (AST), DF41A, 360 test per unit or equal

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| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 18   | ALANINE AMINOTRANSFERASE (ALT), DF43A. 240 TEST PER UNIT | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF43A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.18 Alanine Aminotransferase (ALT), DF43A, 240 test per unit or equal

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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 19   | LACTIC DEHYDROGENASE (LDH), DF53A, 480 TEST PER UNIT OR | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF53A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.19 Lactic Dehydrogenase (LDH), DF53A, 480 test per unit or equal

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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 20   | TRIGLYCERIDE (TGL), DF69A, 480 TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF69A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.20 Triglyceride (TGL), DF69A, 480 test per unit or equal

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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 21   | AMMONIA (AMON), DF19, 120 TEST<br>PER UNIT OR EQUAL | 5.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF19 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.21 Ammonia (AMON), DF19, 120 test per unit or equal

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| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 22   | AMYLASE (AMY), DF17A, 240 TEST<br>PER UNIT OR EQUAL | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF17A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.22 Amylase (AMY), DF17A, 240 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc                                     | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 23   | IRON (IRN), DF49A, 240 TEST PER<br>UNIT OR EQUAL | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF49A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

Iron (IRN), DF49A, 240 test per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc                                    | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 24   | LIPASE (LIP), DF55A, 120 TEST PER UNIT OR EQUAL | 5.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF55A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.24 Lipase (LIP), DF55A, 120 test per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc                                     | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 25   | MAGNESIUM (MG), DF57, 120 TEST PER UNIT OR EQUAL | 5.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF57 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.25 Magnesium (MG), DF57, 120 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 26   | CARBAMAZEPINE (CRBM), DF87,<br>80 TEST PER UNIT OR EQUAL | 1.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF87 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.26 Carbamazepine (CRBM), DF87, 80 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 27   | PHENOBARBITAL (PHNO), DF60,<br>80 TEST PER UNIT OR EQUAL | 1.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF60 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.27 Phenobarbital (PHNO), DF60, 80 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 28   | PHENYTOIN (PTN), DF64, 112<br>TEST PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |



| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF64 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.28 Phenytoin (PTN), DF64, 112 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 29   | VALPROIC ACID (VALP), DF78, 80 TEST PER UNIT OR EQUAL | 6.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF78 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.29 Valproic Acid (VALP), DF78, 80 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 30   | TOTAL PROSTATE SPECIFIC ANTIGEN (TPSA), RF451, 120 TEST | 1.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | RF451 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.30 Total Prostate Specific Antigen (TPSA), RF451, 120 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price            | Total Price    |
|------|---|---------|------------|-----------------------|----------------|
| 31   | HDL CHOLESTEROL AUTOMATED (AHDL), DF48A, 240 TEST PER | 4.00000 | UNIT       | Refer to BCI CPR Plan | Quote#68233170 |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF48A OR EQUAL | BCI Part#A91965 |

**Extended Description :**  
3.1.31 HDL Cholesterol Automated (AHDL), DF48A, 240 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price            | Total Price         |
|------|---|---------|------------|-----------------------|---------------------|
| 32   | IRON BINDING (IBCT), DF84, 240 TEST PER UNIT OR EQUAL | 1.00000 | UNIT       | Refer to BCI CPR Plan | Quote#2015-68233170 |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF84 OR EQUAL | BCI Part#A91965 |

**Extended Description :**  
3.1.32 Iron Binding (IBCT), DF84, 240 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price            | Total Price         |
|------|--|---------|------------|-----------------------|---------------------|
| 33   | AMMONIA (AMON) CALIBRATOR, DC25, 1 SET/3 LEVELS PER UNIT | 4.00000 | UNIT       | Refer to BCI CPR Plan | Quote#2015-68233170 |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DC25 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.33 Ammonia (AMON) Calibrator, DC25, 1 set/3 levels per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 34   | CHEM I CALIBRATOR, DC18A, 1 SET/3 LEVELS PER UNIT OR | 4.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DC18A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.34 CHEM I Calibrator, DC18A, 1 set/3 levels per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                           | Total Price |
|------|--|---------|------------|--------------------------------------|-------------|
| 35   | CHEM II CALIBRATOR, DC20, 1 SET/3 LEVELS PER UNIT OR | 4.00000 | UNIT       | Refer to BCI CPR Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DC20 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.35 CHEM II Calibrator, DC20, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc                                    | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 36   | CHOLESTEROL (CHOL)<br>CALIBRATOR, DC16, 1 SET/3 | 4.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DC16 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.36 Cholesterol (CHOL) Calibrator, DC16, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 37   | CREATININE KINASE (CK)<br>VERIFIER, DC26, 1 SET/3 LEVELS | 4.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DC26 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.37 Creatinine Kinase (CK) Verifier, DC26, 1 set/ 3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc                                       | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 38   | ENZYMATIC CO2 (ECO2)<br>CALIBRATOR, DC137, 1 SET/3 | 4.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DC137 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.38 Enzymatic CO2 (ECO2) Calibrator, DC137, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 39   | IRON (IRN)/TOTAL BINDING CAPACITY (TIBC) CALIBRATOR, | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DC21 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.39 Iron (IRN)/Total Iron Binding Capacity (TIBC) Calibrator, DC21, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 40   | LIPASE (LIP) VERIFIER, DC15A, 1 SET/3 LEVELS PER UNIT OR EQU | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DC15A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.40 Lipase (LIP) Verifier, DC15A, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 41   | TOTAL BILIRUBIN (TBIL)/DIRECT BILIRUBIN (DBIL) CALIBRATOR, D | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DC17 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.41 Total Bilirubin (TBIL)/Direct Bilirubin (DBIL) Calibrator, DC17, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 42   | TOTAL PROTEIN (TP)/ALBUMIN (ALB) CALIBRATOR, DC31, 1 SET/3 | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DC31 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.42 Total Protein/ (TP)/Albumin (ALB) Calibrator, DC31, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 43   | TOTAL/FREE PROSTATE SPECIFIC ANTIGEN (T/FP) CALIBRATOR, | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | RC452 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.43 Total/Free Prostate Specific Antigen (T/FP SA) Calibrator, RC452, 1 set/3 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty      | Unit Issue | Unit Price              | Total Price |
|------|---|----------|------------|-------------------------|-------------|
| 44   | CUVETTE CARTRIDGE, D828,<br>12,000 TEST PER UNIT OR EQUAL | 40.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | D828 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.44 Cuvette Cartridge, D828, 12,000 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 45   | ENZYME DILUENT (ED), 10 BTL/10<br>ML PER UNIT OR EQUAL | 2.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | ED OR EQUAL   | BCI Part#A91965 |

**Extended Description :**

3.1.45 Enzyme Diluent (ED), 10 btl/10 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty      | Unit Issue | Unit Price              | Total Price |
|------|--|----------|------------|-------------------------|-------------|
| 46   | PRINTER PAPER-RXL, D829, 6 ROLLS/80 FT PER UNIT OR EQUAL | 12.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 14111507  | Beckman Coulter | D829 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.46 Printer Paper -RXL, D829, 6 rolls/80 ft per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price              | Total Price |
|------|---|---------|------------|-------------------------|-------------|
| 47   | SAMPLE DILUENT -SD PLUS, SD PLUS, 2 BTL/50 ML PER UNIT OR | 2.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification    | Model #         |
|-----------|-----------------|------------------|-----------------|
| 41116004  | Beckman Coulter | SD PLUS OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.47 Sample Diluent -SD Plus, SD Plus, 2 btl/50 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 48   | SMALL SAMPLE CUPS D8C5, 1,000 TEST PER UNIT OR EQUAL | 7.00000 | UNIT       | Non applicable to AU480 |             |



| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | D8C5 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.48 Small Sample Cups D8C5, 1,000 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br><br>HUNTINGTON WV25709<br><br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br><br>HUNTINGTON WV 25705<br><br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 49   | SAMPLE CUPS WITH LIDS, DSC4,<br>1,000 TEST PER UNIT OR EQUAL | 1.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DSC4 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.49 Sample Cups with Lids, DSC4, 1,000 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br><br>HUNTINGTON WV25709<br><br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br><br>HUNTINGTON WV 25705<br><br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 50   | CHEM WASH, RD701, 1 BTL/1800<br>ML PER UNIT OR EQUAL | 2.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | RD70 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.50 Chem Wash, RD701, 1 btl/1800 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc                                       | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 51   | IMT PROBE CLEANER, RD704, 12 BTL PER UNIT OR EQUAL | 2.00000 | UNIT       | Non Applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | RD704 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.51 IMT Probe Cleaner, RD704, 12 btl per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty      | Unit Issue | Unit Price              | Total Price |
|------|--|----------|------------|-------------------------|-------------|
| 52   | REAGENT PROBE CLEANER, RD702, 1 BTL/500 ML PER UNIT OR | 30.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | RD702 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.52 Reagent Probe Cleaner, RD702, 1 btl/500 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty      | Unit Issue | Unit Price              | Total Price |
|------|---|----------|------------|-------------------------|-------------|
| 53   | REV HETEROGENOUS MOD VESSELS, RXV1A, 1,000 TEST PER | 10.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | RXV1A OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.53 Rev Heterogenous Mod Vessels, RXV1A, 1,000 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price              | Total Price |
|------|---|---------|------------|-------------------------|-------------|
| 54   | SAMPLE PROBE CLEANER,<br>RD70G, 1 BTL/1,000 ML PER UNIT | 8.00000 | UNIT       | Non Applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | RD70G OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.54 Sample Probe Cleaner, RD70G, 1 btl/1,000 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price              | Total Price |
|------|---|---------|------------|-------------------------|-------------|
| 55   | QUICKLYTB DILUTION CHECK,<br>S640, 3 BAGS/1,000 ML PER UNIT | 4.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | S640 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.55 QuickLYTB Dilution Check, S640, 3 bags/1,000 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 56   | QUICKLYTB FLUSH SOLUTION, S630, 3 BAGS/1,000 ML PER UNIT | 4.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | S630 OR EQUAL | BCI Part#A91965 |

Extended Description :  
 3.1.56 QuickLYTB Flush Solution, S630, 3 bags/1,000 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty      | Unit Issue | Unit Price              | Total Price |
|------|--|----------|------------|-------------------------|-------------|
| 57   | QUICKLYTB IMT CARTRIDGE, S600, 4 CARTRIDGES PER UNIT | 16.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | S600 OR EQUAL | BCI Part#A91965 |

Extended Description :  
 3.1.57 QuickLYTB IMT Cartridge, S600, 4 cartridges per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty      | Unit Issue | Unit Price              | Total Price |
|------|--|----------|------------|-------------------------|-------------|
| 58   | QUICKLYTB SAMPLE DILUENT, S635, 1 BTL/500 ML PER UNIT OR | 10.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | S635 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.58 QuickLYTB Sample Diluent, S635, 1 btl/500 ml per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc  | Qty      | Unit Issue | Unit Price              | Total Price |
|------|---|----------|------------|-------------------------|-------------|
| 59   | QUICKLYTB STANDARD A, S620, 3 BAGS/1,000 ML PER UNIT OR | 12.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | S620 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.59 QuickLYTB Standard A, S620, 3 bags/1,000 ml per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 60   | QUICKLYTB STANDARD B, S625, 3 BAGS/1,000 ML PER UNIT | 7.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | S625 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.60 QuickLYTB Standard B, S625, 3 bags/1,000 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 61   | SALT BRIDGE SOLUTION, D105, 3 BTL/150 ML PER UNIT OR EQUAL | 6.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | D105 OR EQUAL | BCI Part#A91965 |

**Extended Description :**  
 3.1.61 Salt Bridge Solution, D105, 3 btl/150 ml per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc   | Qty     | Unit Issue | Unit Price              | Total Price |
|------|--|---------|------------|-------------------------|-------------|
| 62   | REAGENT PROBE TIP, 715871.505, 48,000 TEST PER UNIT OR EQUAL | 3.00000 | UNIT       | Non applicable to AU480 |             |

| Comm Code | Manufacturer    | Specification       | Model #         |
|-----------|-----------------|---------------------|-----------------|
| 41116004  | Beckman Coulter | 715871.505 OR EQUAL | BCI Part#A91965 |

**Extended Description :**  
 3.1.62 Reagent Probe Tip, 715871.505, 48,000 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 63   | LIQUID GLUCOSE (GLUC), DF40, 1,440 TEST PER UNIT OR EQUAL | 3.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 41116004  | Beckman Coulter | DF40 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.63 Liquid Glucose (GLUC), DF40, 1,440 test per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc                                   | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|--|---------|------------|--|-------------|
| 64   | LITHIUM (LI), DF132, 80 TEST PER UNIT OR EQUAL | 4.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF132 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.64 Lithium (LI), DF132, 80 test per unit or equal

| INVOICE TO  | SHIP TO   |
|---|---|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |

| Line | Comm Ln Desc   | Qty      | Unit Issue | Unit Price                                   | Total Price |
|------|--|----------|------------|--|-------------|
| 65   | AUTOMATED LDL CHOLESTEROL (ALDL), DF131, 120 TEST PER UNIT | 16.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DF131 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.65 Automated LDL Cholesterol (ALDL), DF131, 120 test per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc  | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---|---------|------------|--|-------------|
| 66   | AUTOMATED LDL CHOLESTEROL (ALDL) CALIBRATOR, DC131, 1 | 6.00000 | UNIT       | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification  | Model #         |
|-----------|-----------------|----------------|-----------------|
| 41116004  | Beckman Coulter | DC131 OR EQUAL | BCI Part#A91965 |

**Extended Description :**

3.1.66 Automated LDL Cholesterol (ALDL) Calibrator, DC131, 1 set/5 levels per unit or equal

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc              | Qty     | Unit Issue | Unit Price                                   | Total Price |
|------|---------------------------|---------|------------|--|-------------|
| 67   | INSTALLATION AND TRAINING | 1.00000 | EA         | Refer to BCI CPR Plan<br>Quote#2015-68233170 |             |

| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 80111504  | Beckman Coulter |               | BCI Part#A91965 |

**Extended Description :**

3.1.67 Installation and Training

| INVOICE TO  |  | SHIP TO   |  |
|---|--|---|--|
| PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL - BATEMAN HOSPITAL<br>PO BOX 448<br>HUNTINGTON WV25709<br>US |  | PROCUREMENT OFFICER - 304-525-7801<br>HEALTH AND HUMAN RESOURCES<br>MILDRED MITCHELL-BATEMAN HOSPITAL<br>1530 NORWAY AVE<br>HUNTINGTON WV 25705<br>US |  |

| Line | Comm Ln Desc | Qty     | Unit Issue | Unit Price   | Total Price |
|------|--------------|---------|------------|--|-------------|
| 68   | MAINTENANCE  | 1.00000 | EA         | Refer to BCI Quote#2015-6823317<br>Sec.2.6 Misc (B) Training pg. 7 |             |



| Comm Code | Manufacturer    | Specification | Model #         |
|-----------|-----------------|---------------|-----------------|
| 73152101  | Beckman Coulter |               | BCI Part#A91965 |

Extended Description :

3.1.68 Maintenance

Necessary BECKMAN COULTER AU480 CALIBRATORS, STANDARDS and CONSUMABLE SUPPLIES

| ANNUAL ESTIMATE | PART NUMBER | PRODUCT DESCRIPTION   | CONTRACT | UNIT PRICE | EXTENDED PRICE |
|-----------------|-------------|---|----------|------------|----------------|
| 1               | MU919600    | CL Electrode A&T (1 ea.)  | Included | \$0.00     | \$0.00         |
| 1               | MU919500    | K Electrode A&T (1 ea.)   | Included | \$0.00     | \$0.00         |
| 1               | MU919400    | Na Electrode A&T (1 ea.)  | Included | \$0.00     | \$0.00         |
| 1               | MU919700    | REF Electrode A&T (1 ea.)   | Included | \$0.00     | \$0.00         |
| 2               | MU988800    | Photometer Lamp,<br>12V 20W (1 ea.)                                     | Included | \$0.00     | \$0.00         |
| 1               | ZM011200    | R Syringe (1 ea.)   | Included | \$0.00     | \$0.00         |
| 6               | MU962300    | RollerTube (pkg of 2)   | Included | \$0.00     | \$0.00         |
| 1               | ZM011100    | S Syringe (1 ea.)   | Included | \$0.00     | \$0.00         |
| 4               | ODC0019     | Bicarbonate Calibrator,<br>(Level 1-2) 3x25mL                           | Included | \$0.00     | \$0.00         |
| 1               | OSR00AF     | ANTIFOAM - 4 x 500ml  | Included | \$0.00     | \$0.00         |
| 2               | AUH1019     | CLEANING SOLUTION,<br>4 x 100mL   | Included | \$0.00     | \$0.00         |
| 1               | AUH1017     | ISE Internal Reference,<br>2 x 25 mL                                    | Included | \$0.00     | \$0.00         |
| 1               | AUH1018     | ISE Na+/K+ Selectivity-<br>Check, 2 x 25 mL                             | Included | \$0.00     | \$0.00         |
| 4               | MU853200    | Sample Cup, 2.5mL<br>(pkg of 100)                                       | Included | \$0.00     | \$0.00         |
| 2               | OSR0001     | Wash Solution, 6 x 2 L  | Included | \$0.00     | \$0.00         |
| 2               | ODC0023     | HDL Cholesterol Calibrator,<br>3 x 1 mL                                 | Included | \$0.00     | \$0.00         |
| 1               | AUH1015     | ISE High Serum Standard,<br>4 x 100 mL                                  | Included | \$0.00     | \$0.00         |
| 1               | AUH1014     | ISE Low Serum Standard,<br>4 x 100 mL                                   | Included | \$0.00     | \$0.00         |
| 1               | AUH1016     | ISE Low/High Urine<br>Standard, 4 x 100 mL                              | Included | \$0.00     | \$0.00         |
| 6               | DR0070-2    | Calibrator, Assay Level 2<br>(Calibrator 12 x5mL,<br>Diluent 12x6 mL)   | Included | \$0.00     | \$0.00         |
| 8               | DR0070-1    | Calibrator, Assay Level 1<br>(Calibrator 12x5 mL,<br>Diluent 12 x 6 mL) | Included | \$0.00     | \$0.00         |
| 1               | DR0091      | Urine Creatinine<br>Calibrator, 1 X 120mL                               | Included | \$0.00     | \$0.00         |
| 1               | DR0090      | Urine Calibrator, 6 X 5mL   | Included | \$0.00     | \$0.00         |

|                      | <b>Document Phase</b> | <b>Document Description</b>                        | <b>Page</b>         |
|----------------------|-----------------------|--|---------------------|
| <b>MMB1500000003</b> | <b>Final</b>          | ADDENDUM NO. 3 CHEMISTRY ANALY<br>ZER AND REAGENTS | <b>30 of<br/>30</b> |

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

## Expressly Prepared For:

MILDRED MITCHELL BATEMAN HOSPITAL  
1530 NORWAY AVE  
HUNTINGTON WV 25705-1336



**BECKMAN  
COULTER**

250 South Kraemer Boulevard  
P.O. Box 8000  
Brea, California 92821-8000

**AGREEMENT**

**Proposal Expiration Date: 6/1/2015**

**GPO Affiliation: TRACKING ONLY-NO  
NATL ACCT**

**BCI Customer No. 9019**

**Initial Agreement Term: 36 months**

**IDN Affiliation:**

**BM Quote No. 2015-68233170**

**CUSTOMER BILL TO:**

1567121  
MILDRED MITCHELL BATEMAN HOSPITAL  
1530 NORWAY AVE ACCOUNTS PAYABLE  
HUNTINGTON WV 25705-1336

**CUSTOMER SHIP TO:**

42066  
MILDRED MITCHELL BATEMAN HOSPITAL  
1530 NORWAY AVE  
HUNTINGTON WV 25705-1336

**Beckman Coulter Representative(s): Benjamin Dreher**

This "Agreement" was prepared for MILDRED MITCHELL BATEMAN HOSPITAL ("Customer," also "you" or "your") at the above "Bill To" address by Beckman Coulter, Inc. ("Beckman Coulter," also "our," "we" or "us") and contains the terms and conditions that will apply for you to obtain the Products and Services. This Agreement consists of the following three parts: I) Products and Services Description, II) Supplemental Terms and Conditions and III) General Terms and Conditions. In consideration of the mutual promises and conditions herein, and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

**Definitions**

"Equipment" means any instruments, systems or computer hardware, including any peripherals, options and accessories, provided to you under this Agreement and specifically listed herein.

"Minimum Annual Commitments" means the applicable Minimum Annual Commitment for Consumables, Tests, and in case of Equipment rental, the value of such Equipment rental.

"Patient sample" means a serum, plasma, CSF, urine sample or other body fluid sample type, replicate sample, proficiency testing result and calibration verification.

"Products" include the Equipment, Consumables, Tests and/or test kits as specified in the table below.

"Reportable" means a Patient sample result performed on the Equipment as registered by the meter system.

"Services" includes the services described in the table below.

"Test" means any analysis performed on a patient sample, control, or calibration performed with the Equipment. Tests include patient results tested on serum, CSF, urine or other body fluids, replicates, reruns, proficiency testing results, health fairs, linearity standards, controls, and calibrations.

"Acquisition Option" could be a purchase, rental or reagent rental.



**BECKMAN  
COULTER**

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**AGREEMENT**

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BM Quote No. 2015-68233170

## I. PRODUCTS AND SERVICES DESCRIPTION

### 1.1 EQUIPMENT

We will provide the "Equipment" listed in the table below.

| Part # | Equipment Description               | Type | Acquisition Option | Qty |
|--------|-------------------------------------|------|--------------------|-----|
| A91965 | AU480 w/ ISE Instrument Sales Group | New  | Reagent Rental     | 1   |

In case the acquisition option in the table above is "rental" or "reagent rental", you are renting the Equipment and you agree to pay the "Total Monthly Rental Payment" stated for each month of the Term.

### 1.2 SERVICES

We will provide the "Services" listed below. You may purchase such Services, either by paying the annual price indicated or by paying the Total Monthly Service Payment indicated below for each month of the Term.

#### Monthly Service Payment per Equipment Quantity

| Description                   | Service Type | Payment Start Month | Year 1   | Year 2   | Year 3   |
|-------------------------------|--------------|---------------------|----------|----------|----------|
| AP AU480 ISE Service Contract | 8x5          | 1                   | Warranty | Included | Included |

Total Monthly Service Payment Included

Total Service Payment Included

### 1.3 CONSUMABLES

We will provide the Consumables listed below. During each year of the Term, the minimum amount of Consumables at the price per unit listed below will be purchased by you, which is your "Minimum Annual Commitment!" for Consumables.

| Part #   | Consumable Description   | Qty per Year | List Price per Unit | Your Price per Unit | Annual Dollar Amount |
|----------|--|--------------|---------------------|---------------------|----------------------|
| OSR00AF  | ANTIFOAM - 4 x 500ml   | 1            | \$445.62            | Included            | Included             |
| ODC0019  | Bicarbonate Calibrator, (Level 1-2) 3x25mL                         | 4            | \$220.56            | Included            | Included             |
| DR0070-1 | Calibrator, Assay Lvl 1, 12 x 5 mL, Calibrator; 12 x 6 mL, Diluent | 8            | \$116.98            | Included            | Included             |
| DR0070-2 | Calibrator, Assay Lvl 2, 12 x 5 mL, Calibrator; 12 x 6 mL, Diluent | 6            | \$116.98            | Included            | Included             |



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BM Quote No. 2015-68233170

| Part #   | Consumable Description                  | Qty per Year | List Price per Unit | Your Price per Unit | Annual Dollar Amount |
|----------|---|--------------|---------------------|---------------------|----------------------|
| AUH1019  | CLEANING SOLUTION, 4 x 100mL            | 2            | \$80.22             | Included            | Included             |
| MU919600 | CL Electrode A&T (1 ea.)                | 1            | \$612.73            | Included            | Included             |
| ODC0023  | HDL Cholesterol Calibrator, 3 x 1 mL    | 2            | \$162.24            | Included            | Included             |
| AUH1015  | ISE High Serum Standard, 4 x 100 mL     | 1            | \$93.58             | Included            | Included             |
| AUH1017  | ISE Internal Reference, 2 x 25 mL       | 1            | \$54.59             | Included            | Included             |
| AUH1016  | ISE Low/High Urine Standard, 4 x 100 mL | 1            | \$93.58             | Included            | Included             |
| AUH1014  | ISE Low Serum Standard, 4 x 100 mL      | 1            | \$93.58             | Included            | Included             |
| AUH1018  | ISE Na+/K+ Selectivity Check, 2 x 25 mL | 1            | \$54.59             | Included            | Included             |
| MU919500 | K Electrode A&T (1 ea.)                 | 1            | \$612.73            | Included            | Included             |
| MU919400 | Na Electrode A&T (1 ea.)                | 1            | \$612.73            | Included            | Included             |
| MU988800 | Photometer Lamp, 12V 20W (1 ea.)        | 2            | \$339.79            | Included            | Included             |
| MU919700 | REF Electrode A&T (1 ea.)               | 1            | \$1,405.93          | Included            | Included             |
| MU962300 | RollerTube (pkg of 2)                   | 6            | \$132.57            | Included            | Included             |
| ZM011200 | R Syringe (1 ea.)                       | 1            | \$438.93            | Included            | Included             |
| MU853200 | Sample Cup, 2.5mL (pkg of 100)          | 4            | \$129.62            | Included            | Included             |
| ZM011100 | S Syringe (1 ea.)                       | 1            | \$442.28            | Included            | Included             |
| DR0090   | Urine Calibrator, 6 X 5mL               | 1            | \$122.55            | Included            | Included             |
| DR0091   | URINE CREATININE CALIBRATOR, 1 X 120mL  | 1            | \$150.00            | Included            | Included             |
| OSR0001  | Wash Solution, 6 x 2 L                  | 2            | \$276.00            | Included            | Included             |

Minimum Annual Commitment Included



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**1.4 SMART PROGRAM**

**SMART - Cost Per Reportable**

Your Reportables shall be from the test categories listed below. During each year of the Term, the minimum amount of Reportables at the prices listed below shall be purchased by you, which is your Minimum Annual Commitment for such Reportables.

The SMART CPR program does not bill for calibrations and quality controls related to patient tests and repeat patient tests. Serum Indices testing is counted as one test per patient sample, and is limited to Lipernia, Icteric and Hemolysis (LIH) under test group "Indices."

| Test Category     | Price per Test | Quantity per Year | Annual Dollar Amount |
|-------------------|----------------|-------------------|----------------------|
| GRP CMP           | \$1.54759      | 16,557            | \$25,623.45          |
| GRP DAT           | \$2.21959      | 0                 | \$0.00               |
| GRP ELECTROLYTES  | \$1.53559      | 8,363             | \$12,842.14          |
| GRP ESOTERIC      | \$1.97959      | 646               | \$1,278.82           |
| GRP GEN CHEMISTRY | \$1.57159      | 1,903             | \$2,990.74           |
| GRP INDICES       | \$1.51159      | 9,683             | \$14,636.73          |
| GRP PROTEINS      | \$3.35959      | 0                 | \$0.00               |
| GRP SPECIALTY     | \$3.89959      | 0                 | \$0.00               |
| GRP TDM           | \$3.04959      | 0                 | \$0.00               |
| GRP UDR           | \$0.38159      | 0                 | \$0.00               |

**Minimum Annual Commitment \$57,371.86**

| Test-Menu AU   |  |
|----------------|--|
| Test Category  | Tests in Category  |
| CMP            | ALB, ALP, ALT, AST, BUN, CRE, GLUC, TBIL, TP   |
| Gen. Chemistry | CHOL, CK, DBIL, LD, MG, PHOS, TRIG, UA   |
| Esoteric       | AMY, CKMB, GGT, HDL-C, IRON, MTP, LAC, UIBC, T4, TUP   |
| TDM            | ACETA, AMIK, CAFF, CARB, DIG, DISO, SUXI, GENT, LIDO, MTRX, NAPA, PBARB, PHENY, PRIM, PROC, QUIN, SALI, THEO, TOB, VPA, VANC |
| DAT            | ETOH, AMMON, AMPH, BARB, BENZ, THC, COCA, METH, METQ, OPIA, PCP, PROX, TBARB, TBENZ, TRICY, XTC, LSD, OXY                    |
| Proteins       | APO A1, APO B, ASO, C3, C4, CHE, CRP, IGA, IGG, IGM, HAPT, LDL-C, LIP, MALB, PALB, RF, TRF, AAG, B2M, CER, AAT               |
| Specialty      | CRPHS, HbA1c, FERR, LI   |
| Electrolyte    | CA, CL, CO2, K, NA   |
| Indices        | LIH  |

## II. SUPPLEMENTAL TERMS AND CONDITIONS

### 2.1 INITIAL TERM AND EFFECTIVE DATE

This Agreement begins on the latest date below a party's signature (the "Effective Date") and ends 36 months after the first shipment of Product specified in this Agreement (the "Initial Agreement Term"). The Initial Agreement Term will be extended and includes the period of time from the Effective Date to the date of (i) shipment the last piece of Equipment provided hereunder or (ii) acceptance of the last piece of Equipment in case of rented Equipment provided hereunder. The Initial Agreement Term will automatically renew for additional successive one year terms (each a "Renewal Term"), unless terminated by either party upon ninety (90) days written notice of termination prior to the expiration of the then current term. The Initial Term and any Renewal Term may be referred to collectively in this Agreement as the "Term."

### 2.2 PRICING TERMS

Beckman Coulter may increase prices of the applicable Products as specified in the following table.

| <u>Products</u> | <u>Date of change in price</u>   | <u>Change in Price</u>   |
|-----------------|--|--|
| Auto Chemistry  | Beginning 12 months after the Effective Date of this Agreement, and each year thereafter | Beckman Coulter may increase prices of the applicable Products by, the lesser of, (i) the rate of inflation as indicated in the medical care expenditure category in the Consumer Price Index for all Urban Consumers (unadjusted) or (ii) 3%. |

### 2.3 PRODUCT

#### (A) USE

You agree to: (i) maintain, use, and store the Products as provided in their manuals or labeling; (ii) not misuse or abuse the Products; and (iii) promptly pay all applicable taxes (including property taxes), assessments, license fees and other charges when levied or assessed against the Products or the ownership or use of them. Further in case of rented products you agree to (a) promptly discharge any lien other than Beckman Coulter's that may arise or attach to the Products; (b) not remove the Products or any part of any Products from the "Customer Ship to" location stated in this Agreement; (c) use only reagents supplied or otherwise approved by Beckman Coulter for use with the Equipment and (d) not make any alterations, additions or improvements to the Equipment without Beckman Coulter's prior written consent.

#### (B) Equipment Rental

If the Equipment is acquired as rental, then, and unless otherwise specifically agreed to in writing by Beckman Coulter, you do not have any ownership interest in the rented Equipment and will return the Equipment to Beckman Coulter in good condition upon termination or cancellation of this Agreement. So long as you are not in default, you may purchase such rented Equipment "as is" at the termination or expiration of this Agreement for a purchase price equal to such Equipment's fair market value at the time of termination or expiration.

#### (C) SMART – Cost Per Reportable

In the event, SMART – Cost Per Reportable applies to this Agreement, the following terms will apply

**(1) Requirements.** You must provide and maintain a dedicated telephone line or an Internet connection, as specified by Beckman Coulter, so the Equipment can transmit to Beckman Coulter the number of Tests performed by you on the Equipment.

**(2) Payments.** You must pay for all tests performed on the Equipment at the price per Reportable listed above.

**(3) Inventory and Usage.** Beckman Coulter will supply your initial installment of your SMART Inventory to you when the



Equipment is installed. "SMART Inventory" means the test kits Beckman Coulter ships to you in each Reportable Category listed above. You will use your SMART Inventory to perform your Tests/Reportable and not for any other purpose. As you deplete your SMART Inventory, Beckman Coulter will replace it with additional test kits. You may also order additional test kits. Beckman Coulter shall have the right to audit your testing pursuant to this Agreement. In the event that Beckman Coulter determines that the number of test kits shipped to you is excessive in relation to the number of Reportables performed, Beckman Coulter may limit the number of test kits provided to you and the parties agree in good faith to renegotiate the pricing in this Agreement to take into consideration such usage.

**(4) Title.** Notwithstanding anything to the contrary in Section 3 of the General Terms and Conditions, all Test kits and Consumables included in the SMART program under this Agreement are owned exclusively by Beckman Coulter until used by you for patient testing procedures. Therefore, you shall (a) keep such Test kits and Consumables in your sole possession and control, (b) have no interest whatsoever in such Test kits and Consumables other than the rights granted in this Agreement, (c) keep such Test kits and Consumables free and clear of all liens and encumbrances, (d) not move such Test kits and Consumables from the Equipment location without the prior written consent of Beckman Coulter, (e) take appropriate action to store, maintain and protect such Test kits and Consumables in accordance with instructions in the applicable manuals and reagent package inserts, and (f) display in a prominent position a notice that such Test kits and Consumables are the exclusive property of Beckman Coulter.

## **2.4 USAGE SHORTFALL AND PRICE ADJUSTMENT**

You agree to meet or exceed your Minimum Annual Commitments. Your Minimum Annual Commitments consists of, if applicable, the Minimum Annual Commitment for the Equipment rental, Tests and Consumables. If you do not meet your Minimum Annual Commitments, Beckman Coulter may, once per year, (i) adjust the pricing retroactively based on your past usage and require you to pay the difference in price or (ii) invoice you for the shortfall and adjust your prices prospectively so that you fulfill the Minimum Annual Commitments in future annual periods.

## **2.5 SERVICES**

You agree to the terms of the Services specified in this Agreement. The Services include 24 x 7 telephone technical support and, as required, parts, labor and travel, during Beckman Coulter's normal business hours, for on-site service calls. The Services, including its limitations and exclusions, are further described in the service description manual. You will make the Equipment available to Beckman Coulter at the agreed upon service time or pay Beckman Coulter an additional charge based on Beckman Coulter's prevailing service rates for the service call. Service fees do not include (i) moving, re-installing, de-installing or decontaminating the Equipment or (ii) service on any uninterruptible power systems, line conditioners, or laboratory information services. If Beckman Coulter can provide remote management software, including diagnostics and other services for the Equipment, including PROService, you must maintain and provide network or other Internet access to the Equipment so Beckman Coulter can remotely access the Equipment. You acknowledge that Beckman Coulter retains ownership of any equipment Beckman Coulter provides for remote diagnostics and services capability.

## **2.6 MISCELLANEOUS**

### **(A) Risk of Loss**

You assume and are responsible for all risks of loss or damage to the rented Products. You must, at your own expense, keep in effect an insurance policy, with a rated insurance company, that covers the full replacement value for all risks of loss or damage to the rented Equipment from the date such Equipment is shipped until such Equipment is returned to Beckman Coulter's possession. You must name Beckman Coulter as an additional insured and loss payee under the policy with a thirty (30) day notice in the event of cancellation, modification or termination.

### **(B) Training**

As part of the price for certain Equipment listed below, Beckman Coulter will provide you with customer training as specified below. At least one key operator from your staff must attend the specified training within sixty (60) days from the Effective Date or as soon thereafter as possible if Beckman Coulter does not have available training slots during this sixty (60) day period. If Beckman Coulter determines that additional training is necessary during the term of this Agreement, Beckman Coulter will provide the training at Beckman Coulter's convenience. Factory-based training includes tuition, airfare, appropriate course

materials, which may be in electronic media, reasonable lodging and meals. You must pay all incidental, optional, and personal expenses. All persons you designate for the training must have sufficient qualifications and expertise to operate the Equipment.

| Description                         | Qty | Included Training Slots Per Instrument | Additional Training Slots Per Instrument | Location of Training | Additional Training Price Per Instrument |
|-------------------------------------|-----|--|--|----------------------|--|
| AU480 w/ ISE Instrument Sales Group | 1   | 2                                      | NA                                       | Factory Based        | NA                                       |

**(C) Confidentiality**

The information in this document is confidential and proprietary. The receiving party of confidential information shall, keep in confidence all of the confidential information received by it. The receiving party shall take reasonable steps to prevent unauthorized disclosure or use of the confidential information provided and to prevent it from falling into the public domain or into the possession of unauthorized persons. The receiving party shall not disclose confidential information it received to any person or entity other than its officers, employees and consultants who need access to such confidential information in order to affect the intent of this Agreement and who have entered into confidentiality agreements sufficient to enable the compliance with this Section B ("Confidentiality"). The receiving party will not have an obligation to protect any confidential information which: (i) is or becomes publicly available other than as a result of an act or failure to act by the receiving party; (ii) is lawfully obtained, directly or indirectly, from a non-party which was under no obligation of confidentiality; or (iii) is required by law to be disclosed. Any use or disclosure of this information for any purpose other than that for which it has been provided may cause substantial competitive harm to Beckman Coulter and is prohibited.

**(D) Other Terms**

| Description                         | Qty | Freight  | LIS | Water    | UPS      | Sonicator |
|-------------------------------------|-----|----------|-----|----------|----------|-----------|
| AU480 w/ ISE Instrument Sales Group | 1   | Included | N/A | Included | Included | Included  |

Your new Equipment may require Verichem Linearity Standards. If required, you must notify Beckman Coulter before the Equipment ships, and Beckman Coulter will provide one set of these standards with the Equipment, but will be shipped separately. If you need additional Verichem Linearity Standards or you notify Beckman Coulter of your need after Beckman Coulter ships the Equipment, you must purchase the linearity standards directly from Verichem at your expense.

The parties hereto have duly executed this Agreement by an authorized officer of each party as of the Effective Date. Beckman Coulter reserves the right to withdraw this Agreement at any time prior to the Effective Date.

|                                      |             |                          |
|--------------------------------------|-------------|--------------------------|
| <b>Customer Authorized Signature</b> | <b>Date</b> | <b>Purchase Order No</b> |
|--------------------------------------|-------------|--------------------------|

\_\_\_\_\_

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

**Beckman Coulter, Inc. hereby accepts this Agreement.**

|   |             |
|---|-------------|
| <b>Beckman Coulter Authorized Signature</b> | <b>Date</b> |
|---|-------------|

\_\_\_\_\_

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

## GENERAL TERMS AND CONDITIONS

1. **Price.** The prices you must pay for the Products and Services are as stated in this Agreement. In addition to the stated prices, you must pay for all taxes and fees imposed on the sale or use of the Products, including without limitation property taxes imposed on Beckman Coulter for the Equipment, and any other governmental charges imposed on Beckman Coulter relating to the Products and all shipping and handling, freight, insurance, and other services. Beginning on the second anniversary of the Effective Date and each anniversary thereafter, the parties may renegotiate this Agreement if your annual Consumable or test volumes substantially decreased over the prior year and the requesting party gives written notice within 30 days after the anniversary date of the intent to renegotiate.

2. **Payment Terms; Collection Costs.** Payment under this Agreement is due 30 days from the invoice date. If you fail to pay an invoice by the due date, Beckman Coulter will be entitled to charge you a late fee and interest on all amounts due at the rate of the lesser of 1½% per month or the maximum legal interest rate. If, at any time, Beckman Coulter becomes insecure about your creditworthiness, Beckman Coulter may require alternative payment terms or assurances of your performance. If you fail to comply with such alternative payment terms or provide adequate assurances, Beckman Coulter may declare you to be in default. Upon default, you agree to pay all collection costs Beckman Coulter incurs, including without limitation reasonable attorneys' fees and expenses.

3. **Title; Security Interest.** The Equipment rented to you, if any, under this Agreement is owned exclusively by Beckman Coulter. You will (i) keep such Equipment in your sole possession and control, (ii) have no interest whatsoever in such Equipment other than the rental rights granted in this Agreement, (iii) keep such Equipment free and clear of all liens and encumbrances, (iv) not move such Equipment from its installed location without the prior written consent of Beckman Coulter, and (v) take appropriate action to store, maintain, and protect such Equipment in accordance with instructions in the applicable manuals. Further, such Equipment is and will remain personal property; you will not affix or attach such Equipment to real property or any improvements. Beckman Coulter retains title to the Consumables and test kits until you have purchased and paid in full all amounts due for each Consumable or test kit. If, for any reason, it is determined that title to any Product passes to you, including title to any rented Equipment, you agree to grant Beckman Coulter a purchase money security interest in the Product, and any proceeds thereof, for all amounts owing to Beckman Coulter for or related to the Product and any amounts owing to Beckman Coulter under this or any other agreement. You agree to cooperate with Beckman Coulter in perfecting and maintaining Beckman Coulter's security

interests, and without limiting the foregoing, you authorize Beckman Coulter to file one or more UCC financing statements with respect to any or all of the Products. Beckman Coulter may assign or reassign its security interests without notice to you, provided that Beckman Coulter's obligations under this Agreement remain in full force and effect. You will recognize each such assignment and will not assert against the assignee any defense, off-set or counterclaim you may have against Beckman Coulter under this Agreement or any other agreement between the parties.

4. **Delivery; Acceptance; Returns.** Beckman Coulter will ship Products within a reasonable time after Beckman Coulter receives your purchase order, or if this Agreement states a proposed shipment date, on or around such date. Beckman Coulter will endeavor to meet any delivery date specified in any purchase order but is not liable for failing to meet the delivery date. Equipment will be deemed accepted by you upon shipment of the Equipment. All Products will be delivered F.O.B. shipping point. Risk of loss with respect to all Products will pass from Beckman Coulter to you upon shipment. Rented Equipment, if any, will be deemed accepted by you 60 days from shipment of such Equipment unless you have notified Beckman Coulter in writing of any defect or non-conformity prior to that date. Consumables and test kits will be deemed accepted by you upon shipment. You must report to Beckman Coulter, in writing, any claims for missing or defective Consumables or test kits within 15 days from your receipt of the Consumable or test kit. Defective, non-conforming or missing Products will be addressed according to the warranty provisions of [Section 6](#). Product returns will be accepted at Beckman Coulter's discretion and may be subject to a restocking charge.

5. **Third Party Use.** You may not sell or redistribute the Products to a third party. You may not allow third parties (except your contractors) to use the Products. This Agreement will be solely for the benefit of, and will be enforceable only by, you or Beckman Coulter and the respective successors and assigns of each party as permitted under this Agreement.

6. **Limited Warranty and Disclaimer.** Subject to the below exceptions and conditions, Beckman Coulter warrants to you that (i) the Equipment will perform in all material respects in accordance with the applicable operator manual, for 12 months from the acceptance date, (ii) Beckman Coulter reagents provided under this Agreement will conform and perform in all material respects in accordance with the applicable labeling for the lesser of the expiration date set forth on such label or 12 months from the delivery date if no date is specified on such label and (iii) Services will be performed in a workmanlike manner. If a Product defect

## GENERAL TERMS AND CONDITIONS

develops under normal and proper use during the warranty period, Beckman Coulter will, at Beckman Coulter's option, and without charge, either repair, during Beckman Coulter's normal business hours, or replace the non-conforming Product. Your exclusive remedy for missing or defective Products will be, at Beckman Coulter's option, the repair or replacement by Beckman Coulter of the Products. The original warranty period will be in effect on any repaired or replaced Products. If Beckman Coulter replaces any part under this warranty or as a result of any Services performed, Beckman Coulter will own the replaced part. Your exclusive warranty for Services not performed in a workmanlike manner will be re-service of the applicable instrument. If a third party manufactured product is supplied to you pursuant to this Agreement (such as software, printers, or personal computers), Beckman Coulter assigns to you any rights that may exist under the warranty provided by the manufacturer. Beckman Coulter does not, however, warrant the performance of the third party manufactured product or provide any remedy for failure of the third party product to perform. Your exclusive remedy is any remedy that may exist under the warranty rights passed through to you under this section. **THE WARRANTIES IN THIS SECTION ARE PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ARE YOUR EXCLUSIVE REMEDIES RELATING TO PERFORMANCE OF THE PRODUCTS OR SERVICES. BECKMAN COULTER DISCLAIMS ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTY ABOUT THE MERCHANTABILITY OF THE PRODUCTS, INFRINGEMENT OR THEIR FITNESS FOR A PARTICULAR PURPOSE. IF ANY IMPLIED WARRANTIES APPLY AS A MATTER OF LAW, THEY ARE LIMITED IN DURATION TO THE LENGTH OF THE TERM OF THIS AGREEMENT.**

**7. Limitations on Services.** You will be responsible for, and Beckman Coulter's service and warranty obligations under this Agreement will not apply to, repairs, replacements or claims resulting from (i) your failure to properly perform the service and maintenance required in the operator's manual for the Equipment, (ii) repairs or relocation of the Equipment by persons other than those authorized by us, (iii) replacements with parts, components and materials not supplied by Beckman Coulter, (iv) misuse, abuse, negligence, negligent operation of or improper storage of any Product, (v) alterations, modifications, disassembly, repair or tampering by any person other than Beckman Coulter's authorized service personnel unless repair by others is made with the written consent of Beckman Coulter; (vi) using unauthorized non-Beckman Coulter brand accessories, reagents, calibrators, consumable or supplies with the Equipment, (vii) environmental conditions outside the recommended range of the Product, such as electrical supply, temperature, or humidity or (viii) other factors beyond Beckman Coulter's

control, such as fire, explosion or flood. Representations and warranties made by any representatives, salespersons or agents of Beckman Coulter, which are inconsistent or in conflict with or in addition to the terms of this Agreement, will not be binding upon Beckman Coulter unless reduced to writing and approved by an expressly authorized officer of Beckman Coulter.

**8. Limitation of Liability.** **BECKMAN COULTER'S TOTAL LIABILITY AND YOUR EXCLUSIVE REMEDY UNDER THIS AGREEMENT WILL BE LIMITED TO DIRECT MONEY DAMAGES NOT TO EXCEED THE AMOUNT PAID BY YOU UNDER THIS AGREEMENT DURING THE TWELVE MONTHS PRECEDING THE DATE THAT THE CLAIM FIRST ACCRUED. THIS LIABILITY LIMIT IS CUMULATIVE AND ALL DAMAGES PAID TO YOU UNDER THIS AGREEMENT WILL BE AGGREGATED IN CALCULATING THE SATISFACTION OF BECKMAN COULTER'S LIABILITY LIMIT. BECKMAN COULTER WILL NOT BE RESPONSIBLE FOR ANY DAMAGES THAT YOU MAY INCUR FROM DELAYED SHIPMENT OR PRODUCT SELECTION, WHETHER LIABILITY IS ASSERTED IN CONTRACT, TORT, WARRANTY OR OTHERWISE. BECKMAN COULTER WILL HAVE NO LIABILITY TO YOU, OR ANY THIRD PARTIES FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR PENAL LOSS OR DAMAGE OF ANY NATURE WHATSOEVER (INCLUDING WITHOUT LIMITATION LOSS OF PROFITS OR LOSS OF USE), EVEN IF BECKMAN COULTER WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND WHETHER OR NOT SUCH DAMAGES WERE FORESEEABLE.** No action arising out of this Agreement or any transaction pursuant to this Agreement, may be brought by you more than one year after the date the cause of action accrued. This section will survive the termination or expiration of this Agreement.

**9. Default.** Any of the following events or conditions will be deemed a default under this Agreement: (i) Beckman Coulter has not received any required payment in full, including but not limited to payments for invoices and shortfall amounts, within 30 days after such payment is due; (ii) you become insolvent, are liquidated or dissolved, institute bankruptcy proceedings or make an assignment for the benefit of creditors; (iii) you are in breach of any other agreement (which relates to this Agreement) between you and Beckman Coulter or any affiliate of either; (iv) you attempt to redistribute the Consumables or remove, sell, transfer, encumber, part with possession of, or sublet the Products in breach of this Agreement; (v) you submit any credit or other information to Beckman Coulter that is untrue or misleading in any material respect or (vi) you breach any other term or condition of this Agreement or any other agreement you have with Beckman Coulter and fail to correct such violation within 30 days after

## GENERAL TERMS AND CONDITIONS

receipt of written notice from Beckman Coulter.

Upon default, Beckman Coulter may, at Beckman Coulter's option and without notice or demand, terminate any or all portions of this Agreement. Upon termination, Beckman Coulter may issue an invoice (a "**Termination Invoice**") to you for an amount equal to the total of (i) all past due amounts, plus (ii) the number of months remaining in the rental term before maturity multiplied by the total monthly rental payment, the product of which will be discounted to the date of the default at six percent (6%) per year, but only to the extent required by law, plus (iii) the lesser of: (a) the amount that you would have paid if the Products or Services delivered had been purchased individually at the non-discounted and non-bundled price, or (b) an amount equal to 60% of the Contracted Remainder. The "**Contracted Remainder**" is defined as the amount that you would have paid if you had fully performed your obligations to purchase the Minimum Annual Commitments for the then current term. In addition, Beckman Coulter reserves the right to be compensated for a portion of all expenses incurred by Beckman Coulter because of your agreeing to fulfill the Minimum Annual Commitments, which expenses may include without limitation all training, installation, shipping and delivery expenses (the "**One Time Expenses**"). The percentage of these One Time Expenses that is recoverable will be calculated by dividing the Contracted Remainder by the total revenue that would be paid to Beckman Coulter under this Agreement if you were to fully perform all your obligations. You agree to pay any Termination Invoice within 30 days of its date. Payment of the Termination Invoice does not preclude Beckman Coulter from seeking or enforcing any other right or remedy available to Beckman Coulter under law or in equity. Beckman Coulter does not waive any rights by accepting overdue payments. During any period in which you are in default of any provision of this Agreement or any other agreement you have with Beckman Coulter, Beckman Coulter will be under no obligation to comply with any of its obligations under this Agreement or any other agreement you have with Beckman Coulter. Such nonperformance will not be a breach of this Agreement and you expressly waive that nonperformance as a defense in any action. Because both of us understand the difficulty in estimating Beckman Coulter's damages upon default, you agree that the provisions of this section represent an agreed measure of Beckman Coulter's actual damages and are not to be deemed a penalty or forfeiture. Beckman Coulter will have no obligation, whether under statute or otherwise, to sell, lease or otherwise use or dispose of any Equipment in mitigation of Beckman Coulter's damages.

**10. Regulatory Requirements.** You acknowledge your obligation to inform your employees, consultants and associates who will use the Products of Beckman Coulter's labeling literature and related notices that Beckman Coulter provides to you. If you file any cost reports or claims for

reimbursement with federal or state health care programs, you will fully and accurately disclose and claim the amount of any discount in accordance with any applicable federal and state statutes and regulations. The parties will comply with all applicable laws and regulations, including all laws and regulations relating to the protection of patient health information. You acknowledge that the Equipment is not generally operated in patient care areas and agree that you will not subject Beckman Coulter's personnel to access requirements greater than those specifically recommended by the Joint Commission for health care representatives without regular access to patient care areas.

**11. Force Majeure.** Except for payment obligations hereunder, neither party will be liable for any delay or failure to perform under this Agreement due to causes beyond a party's reasonable control, such as acts of God, war or other hostility, acts of terrorism, civil disorder, the elements, fire, power failure, equipment failure, industrial or labor dispute, embargo, acts of any government or inability to obtain necessary supplies and the like. In the event of any such delay or failure to perform, Beckman Coulter will have additional time within which to perform Beckman Coulter's obligations under this Agreement as may be reasonably necessary under the circumstances. Despite anything to the contrary in this Agreement, Beckman Coulter may apportion Product subject to a shortage in any manner Beckman Coulter considers equitable.

**12. Purchase Orders; Entire Agreement.** This Agreement (including these General Terms and Conditions) constitutes the entire understanding between you and Beckman Coulter with respect to its subject matter and supersedes any and all prior or contemporaneous communications and agreements, regarding this subject matter, written or oral, and cannot be modified except by a written instrument (which states that it is an amendment) signed by authorized signatories for both parties. Any terms or conditions on your purchase order, order acknowledgement or any other documents relating to the purchase, sale, lease or transfer of Products will be null and void. Such documents will only be used to confirm quantities and agreed delivery schedules and will not supplement or modify the substantive terms and conditions of this Agreement.

**13. Dispute Resolution.** Any contract between you and Beckman Coulter relating to the Products, including this Agreement, will be governed by and construed in accordance with the laws of the state in which you are located, excluding its choice of law provisions. Within 30 days of a request, a Vice President (or equivalent officer) from each party will personally attempt to resolve a dispute with each other. If these officers do not resolve the dispute within 30 days, the dispute may be submitted to mediation if both you and

## GENERAL TERMS AND CONDITIONS

Beckman Coulter agree, or submitted to a court for resolution.

**14. Assignment.** You may not assign, pledge, encumber, sublease or transfer this Agreement, any rights or obligations under this Agreement or any other information relating to the pricing and structure of this transaction without Beckman Coulter's prior written consent. You agree that Beckman Coulter may assign this Agreement and that your obligation to such assignee will not be subject to any abatement, offset, defense or counterclaim.

**15. Miscellaneous.** Beckman Coulter's failure to exercise any rights under this Agreement will not be deemed a waiver or forfeiture of such rights. Beckman Coulter's waiver of a breach of any provision of this Agreement will not be deemed a waiver of any subsequent breach of the same or any other provision of this Agreement. Headings in this Agreement are for convenience only and will not constitute part of this Agreement. If a court of competent jurisdiction holds any provision of this Agreement invalid or unenforceable for any reason, (i) the validity and enforceability of the remaining provisions will not be affected or impaired in any way and (ii) the parties will promptly renegotiate the affected provision to determine valid and enforceable language that most closely resembles the language rejected by the court and intended by the parties. This Agreement was drafted on the basis of mutual understanding. Each party acknowledges that it has had ample opportunity to review and comment on this Agreement. This Agreement will be read and interpreted according to its plain meaning and any ambiguity will not be construed against either party. This Agreement may be executed in any number of counterparts, all of which together will constitute one and the same agreement.

**GENERAL TERMS AND CONDITIONS:**

1. **CONTRACTUAL AGREEMENT:** Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
  
2. **DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
  - 2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
  - 2.2. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
  - 2.3. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.
  - 2.4. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.
  - 2.5. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.
  - 2.6. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
  - 2.7. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
  - 2.8. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.



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**3. CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

**Term Contract**

**Initial Contract Term:** This Contract becomes effective on \_\_\_\_\_ and extends for a period of one (1) year(s).

**Renewal Term:** This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to three (3) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed thirty-six (36) months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

**Delivery Order Limitations:** In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

**Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within \_\_\_\_\_ days.

**Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within \_\_\_\_\_ days. Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional \_\_\_\_\_ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed \_\_\_\_\_ months in total. Automatic renewal of this Contract is prohibited.

**One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

**Other:** See attached.

- 4. **NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.
  
- 5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.
  - Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.
  
  - Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.
  
  - Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.
  
  - One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
  
- 6. **PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.
  
- 7. **EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.
  
- 8. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

**BID BOND:** All Vendors shall furnish a bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

**PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of \_\_\_\_\_. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

**LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

**MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

*REFER TO ATTACHED EVIDENCE OF INSURANCE CERTIFICATE*

**INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award and shall list the state as a certificate holder:

**Commercial General Liability Insurance:** In the amount of \$100,000 or more.

**Builders Risk Insurance:** In an amount equal to 100% of the amount of the Contract.

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# CERTIFICATE OF LIABILITY INSURANCE

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DATE (MM/DD/YYYY)  
06/30/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| <b>PRODUCER</b><br>MARSH USA INC.<br>SUITE 400<br>1255 23RD STREET, N.W.<br>WASHINGTON, DC 20037<br>Attn: DanaHer.certrequest@marsh.com Fax (212) 948-0503<br>040108-ALL-7/1-14-15      BECKM | <b>CONTACT</b><br>NAME: _____<br>PHONE (A/C No. Ext): _____<br>E-MAIL ADDRESS: _____<br>FAX (A/C No.): _____  |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |
|---|---|--|-------------------------------|--------|--|-------|--|-------|---|-------|---|-------|-------------|--|-------------|
|   | <table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : ACE American Insurance Company</td> <td>22667</td> </tr> <tr> <td>INSURER B : National Union Fire Ins. Co. of Pittsburgh, PA</td> <td>19445</td> </tr> <tr> <td>INSURER C : Indemnity Ins Co Of North America</td> <td>43575</td> </tr> <tr> <td>INSURER D : ACE Fire Underwriters Insurance Company</td> <td>20702</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table> |  | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A : ACE American Insurance Company | 22667 | INSURER B : National Union Fire Ins. Co. of Pittsburgh, PA | 19445 | INSURER C : Indemnity Ins Co Of North America | 43575 | INSURER D : ACE Fire Underwriters Insurance Company | 20702 | INSURER E : |  | INSURER F : |
| INSURER(S) AFFORDING COVERAGE   | NAIC #  |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |
| INSURER A : ACE American Insurance Company  | 22667   |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |
| INSURER B : National Union Fire Ins. Co. of Pittsburgh, PA  | 19445   |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |
| INSURER C : Indemnity Ins Co Of North America   | 43575   |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |
| INSURER D : ACE Fire Underwriters Insurance Company   | 20702   |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |
| INSURER E :   |   |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |
| INSURER F :   |   |  |                               |        |  |       |  |       |   |       |   |       |             |  |             |

**COVERAGES**      **CERTIFICATE NUMBER:** CLE-003703960-13      **REVISION NUMBER:** 5

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE  | ADDITIONAL SUBROGATION (INSR, WVD) | POLICY NUMBER   | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS  |
|----------|--|------------------------------------|---|-------------------------|-------------------------|---|
| A        | GENERAL LIABILITY<br><input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><input checked="" type="checkbox"/> Contractual Liability<br><input checked="" type="checkbox"/> Broad Form PD<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC |                                    | HDOG2733411E  | 07/01/2014              | 07/31/2015              | EACH OCCURRENCE \$ 2,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 2,000,000<br>MED EXP (Any one person) \$ 10,000<br>PERSONAL & ADV INJURY \$ 2,000,000<br>GENERAL AGGREGATE \$ 5,000,000<br>PRODUCTS - COMP/OP AGG \$ 5,000,000 |
| A        | AUTOMOBILE LIABILITY<br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS   |                                    | ISAH0882096A  | 07/01/2014              | 07/31/2015              | COMBINED SINGLE LIMIT (Ea accident) \$ 3,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$   |
| B        | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br><input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$   |                                    | 49131430  | 07/01/2014              | 07/31/2015              | EACH OCCURRENCE \$ 5,000,000<br>AGGREGATE \$ 5,000,000  |
| C        | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below   | Y/N<br>N                           | WLRCA4788775A (AOS)<br>WLRCA4788773 (AZ, CA, MA)<br>SCFCA4788761 (WI) | 07/01/2014              | 07/31/2015              | <input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER<br>E.L. EACH ACCIDENT \$ 2,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 2,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 2,000,000                            |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

|   |   |
|---|---|
| <b>CERTIFICATE HOLDER</b><br><br>BECKMAN COULTER, INC.<br>A SUBSIDIARY OF DANAHER CORPORATION<br>250 S. KRAEMER BLVD.<br>M/S E1, NW, 07<br>IRFA, CA 92621 | <b>CANCELLATION</b><br><br>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.<br><br>AUTHORIZED REPRESENTATIVE<br>of Marsh USA Inc.<br>Manashi Mukherjee <i>Manashi Mukherjee</i> |
|---|---|

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The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

**LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

**9. WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

**10. LITIGATION BOND:** The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

**11. LIQUIDATED DAMAGES:** Vendor shall pay liquidated damages in the amount of

for \_\_\_\_\_.

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

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- 12. **ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, as reflected in the Award Document, upon receipt.
  
- 13. **FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.
  
- 14. **PAYMENT:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.
  
- 15. **TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
  
- 16. **CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.
  
- 17. **TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
  
- 18. **APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.
  
- 19. **COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable law.
  
- 20. **PREVAILING WAGE:** On any contract for the construction of a public improvement, Vendor and any subcontractors utilized by Vendor shall pay a rate or rates of wages which shall not be less than the fair minimum rate or rates of wages (prevailing wage), as established by the West Virginia Division of Labor under West Virginia Code §§ 21-5A-1 et seq. and available at <http://www.sos.wv.gov/administrative-law/wagerates/Pages/default.aspx>. Vendor shall be responsible for ensuring compliance with

prevailing wage requirements and determining when prevailing wage requirements are applicable. The required contract provisions contained in West Virginia Code of State Rules § 42-7-3 are specifically incorporated herein by reference.

- 21. **ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.
- 22. **MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). No Change shall be implemented by the Vendor until such time as the Vendor receives an approved written change order from the Purchasing Division.
- 23. **WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
- 24. **SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
- 25. **ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.
- 26. **WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
- 27. **STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
- 28. **BANKRUPTCY:** In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

**29. CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

**30. DISCLOSURE:** Vendor's response to the Solicitation and the resulting Contract are considered public documents and will be disclosed to the public in accordance with the laws, rules, and policies governing the West Virginia Purchasing Division. Those laws include, but are not limited to, the Freedom of Information Act found in West Virginia Code §§ 29B-1-1 et seq. and the competitive bidding laws found West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq.

If a Vendor considers any part of its bid to be exempt from public disclosure, Vendor must so indicate by specifically identifying the exempt information, identifying the exemption that applies, providing a detailed justification for the exemption, segregating the exempt information from the general bid information, and submitting the exempt information as part of its bid but in a segregated and clearly identifiable format. Failure to comply with the foregoing requirements will result in public disclosure of the Vendor's bid without further notice. A Vendor's act of marking all or nearly all of its bid as exempt is not sufficient to avoid disclosure and **WILL NOT BE HONORED**. Vendor's act of marking a bid or any part thereof as "confidential" or "proprietary" is not sufficient to avoid disclosure and **WILL NOT BE HONORED**. A legend or other statement indicating that all or substantially all of the bid is exempt from disclosure is not sufficient to avoid disclosure and **WILL NOT BE HONORED**. Additionally, pricing or cost information will not be considered exempt from disclosure and requests to withhold publication of pricing or cost information **WILL NOT BE HONORED**.

Vendor will be required to defend any claimed exemption for nondisclosure in the event of an administrative or judicial challenge to the State's nondisclosure. Vendor must indemnify the State for any costs incurred related to any exemptions claimed by Vendor. Any questions regarding the applicability of the various public records laws should be addressed to your own legal counsel prior to bid submission.

**31. LICENSING:** In accordance with West Virginia Code of State Rules §148-1-6.1.7, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.



**32. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

**33. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

**34. PURCHASING CARD ACCEPTANCE:** The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

**35. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but

not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing. Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

**36. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

**37. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.

**38. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by and extends to other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). This Contract shall be extended to the aforementioned Other Government Entities on the same prices, terms, and conditions as those offered and agreed to in this Contract. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

**39. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

**40. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at [purchasing.requisitions@wv.gov](mailto:purchasing.requisitions@wv.gov).

**41. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

**42. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS:** Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater.

For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

**43. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL:** In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products.

This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

18-19-16

**Beckman Coulter Exceptions to Specific Terms and Conditions within the General Terms and Conditions pages of Bid "MMB 1500000003" as follows:**

**Exception Taken to #7 Emergency Purchases:** 7. The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract. Bid MMB1500000003: Chemistry Analyzer and Reagents Specifications Section 6 Delivery and Return: As defined. Also see Attached Beckman Coulter iQuote2015-60233170 section 2.6 MISCELLANEOUS (D) other terms.

**Exception Taken to #11 Liquidated Damages:** Vendor shall pay liquidated damages in the amount of \_\_\_\_\_ for \_\_\_\_\_. This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Beckman Coulter takes exception and states Non Applicable, un defined.

**Exception Taken to #12 Acceptance/Rejection:** The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, including Beckman Coulter's noted exceptions as reflected in the Award Document, upon receipt.

**Exception Taken to #16 Cancellation:** The Purchasing Division Director reserves the right to cancel this Contract ~~immediately~~ upon **30 days** written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.

17. TIME: Time is of the essence with regard to all matters of time and performance in this

**Exception Taken to #36 INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any third party claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies ~~in connection with the~~ to the extent directly caused by Vendor's performance of the Contract; (2) Any third party claims or losses directly resulting ~~to any~~ from any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws. However, Vendor has no obligation to indemnify the State and the Agency from any infringement claim resulting from the State and the Agency's (a) modification of the product, (b) use of any of Vendor's products other than as described in Vendor's operating or maintenance

Pc-15 & 16

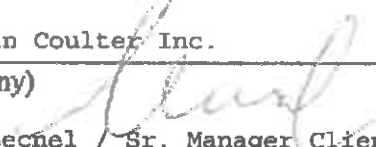
manuals and product inserts, or (c) use of the Product in combination with any product not supplied by Vendor under this Agreement or with any technique or process over which any third party asserts any intellectual property rights.

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Beckman Coulter Inc.

(Company)



Noel Becnel / Sr. Manager Client Svcs

(Authorized Signature) (Representative Name, Title)

3/9/15 - WITH ATTACHED EXCEPTIONS AND REACTIONS

\*Reviewed with Laura Hamilton/Will Ward

822-526-3821 / 714-223-4125 (Bids Only)

(Phone Number) (Fax Number) (Date)



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Request for Quotation**

**Proc Folder:** 59506

**Doc Description:** ADDENDUM NO. 1 CHEMISTRY ANALYZER AND REAGENTS

**Proc Type:** Central Master Agreement

| Date Issued | Solicitation Closes    | Solicitation No         | Version |
|-------------|------------------------|-------------------------|---------|
| 2015-03-03  | 2015-03-10<br>13:30:00 | CRFQ 0506 MMB1500000003 | 2       |

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number: Beckman Coulter, Inc.  
 250 S. Kraemer Blvd.  
 Brea, CA 92821  
 800-526-3821

**FOR INFORMATION CONTACT THE BUYER**

Gregory Clay  
 (304) 558-2566  
 gregory.c.clay@wv.gov

Signature X

FEIN # 95-1040600

DATE 03-09-15

All offers subject to all terms and conditions contained in this solicitation





Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation

Proc Folder: 59506

Doc Description: ADDENDUM NO. 2 CHEMISTRY ANALYZER AND REAGENTS

Proc Type: Central Master Agreement

| Date Issued | Solicitation Closes    | Solicitation No         | Version |
|-------------|------------------------|-------------------------|---------|
| 2015-03-10  | 2015-03-24<br>13:30:00 | CRFQ 0506 MMB1500000003 | 3       |

**BID RECEIVING LOCATION**  
 BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**  
 Vendor Name, Address and Telephone Number: Beckman Coulter, Inc.  
 250 So. Kraemer Blvd.  
 Brea, CA 92821  
 800-526-3821

**FOR INFORMATION CONTACT THE BUYER**  
 Gregory Clay  
 (304) 558-2566  
 gregory.c.clay@wv.gov

Signature X *Gregory Clay* FEIN # 95-1040600 DATE 3/23/15

All offers subject to all terms and conditions contained in this solicitation

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: MMB150000003**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

PECKHAM COLLECTOR, INC  
Company

Neal Beaman  
Authorized Signature

3/23/15  
Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.  
Revised 6/8/2012

**SOLICITATION NUMBER: MMB150000003**

**Addendum Number: 2**

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The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

**Applicable Addendum Category:**

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

**Description of Modification to Solicitation:**

ADDENDUM NO. 2

1) TO CHANGE THE BID OPENING DATE FOR THIS CRFQ TO MARCH 24, 2015 AT 1:30 PM EST.

2) TO PROVIDE ADDENDUM ACKNOWLEDGMENT. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID.

END OF ADDENDUM NO. 2

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**BECKMAN COULTER RESPONSE TO SPECIFICATIONS of CRFQ 0506 MMB150000003\_1 CRFQ**

**SPECIFICATIONS**

Beckman Coulter, Inc. is listed as "BCI" in some answers, responses.

**1. PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of Mildred Mitchell-Bateman Hospital to establish an open-end contract for one new chemistry analyzer and reagents. All equipment, maintenance, parts for repair of equipment on this on this contract must be provided at no cost for entire term of contract.

Exception Taken: **BECKMAN COULTER AU480 w/ISE Clinical Chemistry Analyzer** is quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. Title to AU480 will remain with Beckman Coulter throughout the term of any awarded Agreement.

**2. DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 "Contract Item" or "Contract Items" means the list of items identified in Section 3.1 below and on the Pricing Pages.

2.2 "Pricing Pages" means the schedule of prices, estimated order quantity, and totals contained in wvOASIS or attached hereto and used to evaluate the Solicitation responses.

2.3 "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

**3. GENERAL REQUIREMENTS:**

**3.1 Contract Items and Mandatory Requirements:** Vendor shall provide Agency with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.

**3.1.1 Must provide Dimension R.xL Max Integrated Chemistry System or equal**

**BECKMAN COULTER AU480 w/ISE Clinical Chemistry Analyzer** quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

**3.1.1.1 Must provide all equipment, maintenance, parts for repair of equipment on this contract at no cost for entire term of this contract.**

EXCEPTION TAKEN: One Year warranty included on AU480 w/ISE Chemistry Analyzer. Post-warranty BCI Annual Cost of Service included in price of Reagent Cost Per Reportable; refer to attached Beckman Coulter Quote No 2015-68233170.

3.1.1.2 Must be able to sample from tubes maximum of 16mm diameter.

YES

3.1.1.3 Must have Positive Identification for samples and reagents.

YES

3.1.1.4 Must have off line tests capabilities.

YES

3.1.1.5 Must have Quality Control management system.

YES

3.1.1.6 Must have random access to the coordinates and data of the chemistry analyzer for ease of accessibility.

YES; review attached AU480 Data Sheet.

3.1.1.7 Must have computer system and software.

YES; review attached AU480 Data Sheet.

3.1.1.7.1 Must have ability to connect to a LAN (Local Area Network) and use one computer interface to the facilities VISTA System.

YES

3.1.1.7.2 Interface cost must be included in cost per test.

Included up to \$7500 and an LIS invoice required

3.1.1.7.3 Must have bi-directional interface with ASTM (American Society for Testing and Materials) or ASCH (Asynchronous) file format.

YES

3.1.1.7.4 User Interface must be Windows 2000 (or newer) operating system.

YES

3.1.1.7.5 Once all the results have been validated by the system, the final results must have capability of being exported to VISTA.

YES

3.1.1.7.6 Vendor must be willing to assist in transition process to VISTA.

YES

**3.1.2 Albumin (ALB), unit number DF13,480 test per unit or equal**

**Beckman Coulter Albumin, R1 4 x 54 MI**

3.1.2.1 Test menu must include the reagents under Section 3.

Refer to attached BCI Quote No. 2015-68233170.

3.1.2.1.1 Must be compatible with free chemistry analyzer provided.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

3.1.2.2 Must have lot and expiration management for reagents.

YES

3.1.2.3 Test kit must have minimum shelflife of six (6) months beyond date of receipt

6-18 months.

3.1.2.4 Must have long onboard reagent stability.

Refer to BCI Reagent Reference Guide.

3.1.2.5 Must have long calibration intervals.

Refer to BCI Reagent Reference Guide.

3.1.2.6 Must be able to perform the test included in the test menu.

Refer to attached BCI Quote No. 2015-68233170.

3.1.2.7 Reagents *must* be bar coded.

Yes

3.1.2.8 Must have fixed price for reagents for the term of contract.

Pricing will be held firm for 36 months

**3.1.3 Urea Nitrogen (BUN), unit number DF21, 480 test per unit or equal**

**Beckman Coulter Blood Urea Nitrogen (BUN)**

3.1.3.1 Test menu must include the reagents under Section 3.

See attached Beckman Coulter Quote No. 2015-68233170.

3.1.3.1.1 Must be compatible with free chemistry analyzer provided.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

3.1.3.2 Must have lot and expiration management for reagents.

YES

3.1.3.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

6-18 months.

3.1.3.4 Must have long onboard reagent stability.

30 days

3.1.3.5 Must have long calibration intervals.

14 days

3.1.3.6 Must be able to perform the test included in the test menu.

Refer to attached BCI Quote No. 2015-68233170.

3.1.3.7 Reagents *must* be bar coded.

Yes

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| 3.1.3.8 Must have fixed price for reagents for the term of contract.                   | Pricing held firm for 36 months   |
| <b>3.1.4 Calcium (CA), unit number DF23A, 480 test per unit or equal</b>               | <b>Beckman Coulter Calcium Arsenazo, R1 4 x 15 mL</b>   |
| 3.1.4.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.4.1.1 Must be compatible with free chemistry analyzer provided.                    | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.4.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.4.3 Test kit must have minimum shelf life of six (6) months beyond date receipt    | 6-18 months.  |
| 3.1.4.4 Must have long onboard reagent stability.                                      | 90 days   |
| 3.1.4.5 Must have long calibration intervals.  | 30 days   |
| 3.1.4.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.4.7 Reagents must be bar coded.  | Yes   |
| 3.1.4.8 Must have fixed price for reagents for the term of contract.                   | Pricing will be held firm for 36 months   |
| <b>3.1.5 Cholesterol (CHOL), unit number DF27, 480 test per unit or equal</b>          | <b>Beckman Coulter Cholesterol, R1 4 x 22.5 mL</b>  |
| 3.1.5.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.5.1.1 Must be compatible with free chemistry analyzer provided.                    | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.5.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.5.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.5.4 Must have long onboard reagent stability.                                      | 90 days   |
| 3.1.5.5 Must have long calibration intervals.  | 30 days   |
| 3.1.5.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.5.7 Reagents must be bar coded.  | Yes   |
| 3.1.5.8 Must have fixed price for reagents for the term of contract.                   | Pricing will be held firm for 36 months   |
| <b>3.1.6 Creatinine (CREA), unit number DF33A, 480 test per unit or equal</b>          | <b>Beckman Coulter Creatinine, R1 4 x 51 mL, R2 4 x 51 mL</b>   |
| 3.1.6.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.6.1.1 Must be compatible with free chemistry analyzer provided.                    | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.6.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.6.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.6.4 Must have long onboard reagent stability.                                      | 7 days  |
| 3.1.6.5 Must have long calibration intervals.  | 1 day   |
| 3.1.6.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.6.7 Reagents must be bar coded.  | Yes   |
| 3.1.6.8 Must have fixed price for reagents for the term of contract.                   | Pricing will be held firm for 36 months   |
| <b>3.1.7 Enzymatic C02 (EC02), item number DF137, 360 test per unit or equal.</b>      | <b>Beckman Coulter Bicarbonate, 4 x 25 mL</b>   |
| 3.1.7.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.7.1.1 Must be compatible with free chemistry analyzer                              | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.7.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.7.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.7.4 Must have long onboard reagent stability.                                      | 7 days  |
| 3.1.7.5 Must have long calibration intervals.  | 1 day   |
| 3.1.7.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.7.7 Reagents must be bar coded.  | Yes   |
| 3.1.7.8 Must have fixed price for reagents for the term of contract.                   | Pricing will be held firm for 36 months   |
| <b>3.1.8 Glucose (GLU), item number DF40, 960 test per unit or equal</b>               | <b>Beckman Coulter Glucose, R1 4 x 25 mL, R2 4 x 12.5 mL</b>  |
| 3.1.8.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.8.1.1 Must be compatible with free chemistry analyzer                              | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.8.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.8.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.8.4 Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.8.5 Must have long calibration intervals.  | 30 days   |
| 3.1.8.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.8.7 Reagents must be bar coded.  | Yes   |
| 3.1.8.8 Must have fixed price for reagents for the term of contract.                   | Pricing will be held firm for 36 months   |
| <b>3.1.9 Phosphorus (PHOS), item number DF61, 480 test per unit or equal</b>           | <b>Beckman Coulter Phosphorus</b>   |
| 3.1.9.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |

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| 3.1.9.1.1 Must be compatible with free chemistry analyzer provided.                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.9.2 Must have lot and expiration management for reagents.                            | YES   |
| 3.1.9.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt   | 6-18 months.  |
| 3.1.9.4 Must have long onboard reagent stability.  | 30 days   |
| 3.1.9.5 Must have long calibration intervals.  | 30 days   |
| 3.1.9.6 Must be able to perform the test included in the test menu.                      | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.9.7 Reagents must be bar coded.  | Yes   |
| 3.1.9.8 Must have fixed price for reagents for the term of contract.                     | Pricing will be held firm for 36 months   |
| <b>3.1.10 Total Bilirubin (TBIL), item number DF67A, 480 test per unit or equal</b>      | <b>Beckman Coulter Total-Bilirubin, R1 4x15 mL, R2 4x15 mL</b>  |
| 3.1.10.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.10.1.1 Must be compatible with free chemistry analyzer                               | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.10.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.10.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt  | 6-18 months.  |
| 3.1.10.4 Must have long onboard reagent stability.                                       | 90 days   |
| 3.1.10.5 Must have long calibration intervals.   | 30 days   |
| 3.1.10.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.10.7 Reagents must be bar coded.   | Yes   |
| 3.1.10.8 Must have fixed price for reagents for the term of contract.                    | Pricing will be held firm for 36 months   |
| <b>3.1.11 Total Protein (TPROT), item number DF73,480 test per unit or equal</b>         | <b>Beckman Coulter Total-Protein, R1 4x25 mL, R2 4x25 mL</b>  |
| 3.1.11.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.11.1.1 Must be compatible with free chemistry analyzer provided.                     | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.11.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.11.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt. | 6-18 months.  |
| 3.1.11.4 Must have long onboard reagent stability.                                       | 30 days   |
| 3.1.11.5 Must have long calibration intervals.   | 14 days   |
| 3.1.11.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.11.7 Reagents must be bar coded.   | Yes   |
| 3.1.11.8 Must have fixed price for reagents for the term of contract.                    | Pricing held firm for 36 months   |
| <b>3.1.12 Uric Acid (URCA), item number DF77, 480 test per unit or equal</b>             | <b>Beckman Coulter Uric Acid</b>  |
| 3.1.12.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.12.1.1 Must be compatible with free chemistry analyzer provided.                     | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.12.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.12.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt. | 6-18 months.  |
| 3.1.12.4 Must have long onboard reagent stability.                                       | 30 days   |
| 3.1.12.5 Must have long calibration intervals.   | 30 days   |
| 3.1.12.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.12.7 Reagents must be bar coded.   | Yes   |
| 3.1.12.8 Must have fixed price for reagents for the term of contract.                    | Pricing held firm for 36 months   |
| <b>3.1.13 Alkaline Phosphate (ALP), item number DF15A, 360 test per unit or equal.</b>   | <b>Beckman Coulter ALP, R1 4 x 12 mL, R2 4 x 12 mL</b>  |
| 3.1.13.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.13.1.1 Must be compatible with free chemistry analyzer                               | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.13.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.13.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt. | 6-18 months.  |
| 3.1.13.4 Must have long onboard reagent stability.                                       | 14 days   |
| 3.1.13.5 Must have long calibration intervals.   | N/A   |
| 3.1.13.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.13.7 Reagents must be bar coded.   | Yes   |
| 3.1.13.8 Must have fixed price for reagents for the term of contract.                    | Pricing held firm for 36 months   |
| <b>3.1.14 Creatinine Kinase (CK), item number DF29A, 480 test per unit or equal</b>      | <b>Beckman Coulter CK (Creatine Kinase)</b>   |
| 3.1.14.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.14.1.1 Must be compatible with free chemistry analyzer provided                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.14.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.14.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt. | 6-18 months.  |

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| 3.1.14.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.14.5  | Must have long calibration intervals.  | N/A   |
| 3.1.14.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.14.7  | Reagents must be bar coded.  | Yes   |
| 3.1.14.8  | Must have fixed price for reagents for the term of contract.                   | Pricing held firm for 36 months   |
| <b>3.1.15 Direct Bilirubin (DBIL), item number DF25A, 320 test per unit or equal.</b>         |  | <b>Beckman Coulter Direct Bilirubin, R1 4x6 mL, R2 4x6 mL</b>   |
| 3.1.15.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.15.1.1  | Must be compatible with free chemistry analyzer provided.                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.15.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.15.3  | Test kit must have minimum shelflife of six (6) months beyond date of receipt  | 6-18 months.  |
| 3.1.15.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.15.5  | Must have long calibration intervals.  | 21 days   |
| 3.1.15.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.15.7  | Reagents must be bar coded.  | Yes   |
| 3.1.15.8  | Must have fixed price for reagents for the term of contract.                   | Pricing held firm for 36 months   |
| <b>3.1.16 Gamma Glutanyl Transferase (GGT), item number DF45A, 288 test per unit or equal</b> |  | <b>Beckman Coulter Gamma Glutanyl Transferase</b>   |
| 3.1.16.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.16.1.1  | Must be compatible with free chemistry analyzer                                | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.16.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.16.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.16.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.16.5  | Must have long calibration intervals.  | N/A   |
| 3.1.16.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.16.7  | Reagents must be bar coded.  | Yes   |
| 3.1.16.8  | Must have fixed price for reagents for the term of contract.                   | Pricing held firm for 36 months   |
| <b>3.1.17 Aspartate Aminotransferase (AST), item number DF41A, 360 test per unit or equal</b> |  | <b>Beckman Coulter AST, R1 4 x 25 mL, R2 4 x 25 mL</b>  |
| 3.1.17.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.17.1.1  | Must be compatible with free chemistry analyzer                                | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.17.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.17.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.17.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.17.5  | Must have long calibration intervals.  | N/A   |
| 3.1.17.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.17.7  | Reagents must be bar coded.  | Yes   |
| 3.1.17.8  | Must have fixed price for reagents for the term of contract.                   | Pricing held firm for 36 months   |
| <b>3.1.18 Alanine Aminotransferase (ALT), item number DF43A, 240 test per unit or equal</b>   |  | <b>Beckman Coulter ALT, R1 4 x 50 mL, R2 4 x 25 mL</b>  |
| 3.1.18.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.18.1.1  | Must be compatible with free chemistry analyzer                                | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.18.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.18.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.18.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.18.5  | Must have long calibration intervals.  | N/A   |
| 3.1.18.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.18.7  | Reagents must be bar coded.  | Yes   |
| 3.1.18.8  | Must have fixed price for reagents for the term of contract.                   | Pricing held firm for 36 months   |
| <b>3.1.19 Lactic Dehydrogenase (LDH), item number DFS3A, 480 test per unit or equal</b>       |  | <b>Beckman Coulter LDH</b>  |
| 3.1.19.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.19.1.1  | Must be compatible with free chemistry analyzer provided                       | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.19.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.19.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.19.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.19.5  | Must have long calibration intervals.  | N/A   |
| 3.1.19.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.19.7  | Reagents must be bar coded.  | Yes   |

3.1.19.8 Must have fixed price for reagents for the term of contract.

Pricing held firm for 36 months

**3.1.20 Triglyceride (TGL), item number DF69A, 480 test per unit or equal**

**Beckman Coulter Triglyceride, R1 4 x 20 mL, R2 4 x 5 mL**  
Refer to attached BCI Quote No. 2015-68233170.

3.1.20.1 Test menu must include the reagents under Section 3.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

3.1.20.1.1 Must be compatible with free chemistry analyzer

YES  
6-18 months.

3.1.20.2 Must have lot and expiration management for reagents.

3.1.20.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

30 days

3.1.20.4 Must have long onboard reagent stability.

3.1.20.5 Must have long calibration intervals.

30 days

3.1.20.6 Must be able to perform the test included in the test menu.

Refer to attached BCI Quote No. 2015-68233170.

3.1.20.7 Reagents must be bar coded.

Yes

3.1.20.8 Must have fixed price for reagents for the term of contract.

Pricing held firm for 36 months

**3.1.21 Ammonia (AMON), item number DF19, 120 test per unit or equal**

**Beckman Coulter Ammonia**

3.1.21.1 Test menu must include the reagents under Section 3.

Refer to attached BCI Quote No. 2015-68233170.

3.1.21.1.1 Must be compatible with free chemistry analyzer provided

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

3.1.21.2 Must have lot and expiration management for reagents.

YES

3.1.21.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

6-18 months.

3.1.21.4 Must have long onboard reagent stability.

14 days

3.1.21.5 Must have long calibration intervals.

7 days

3.1.21.6 Must be able to perform the test included in the test menu.

Refer to attached BCI Quote No. 2015-68233170.

3.1.21.7 Reagents must be bar coded.

Yes

3.1.21.8 Must have fixed price for reagents for the term of contract.

Pricing held firm for 36 months

**3.1.22 Amylase (AMY), item number DF17A, 240 test per unit or equal**

**Beckman Coulter Amylase**

3.1.22.1 Test menu must include the reagents under Section 3.

Refer to attached BCI Quote No. 2015-68233170.

3.1.22.1.1 Must be compatible with free chemistry analyzer

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

3.1.22.2 Must have lot and expiration management for reagents.

YES

3.1.22.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

6-18 months.

3.1.22.4 Must have long onboard reagent stability.

30 days

3.1.22.5 Must have long calibration intervals.

N/A

3.1.22.6 Must be able to perform the test included in the test menu.

Refer to attached BCI Quote No. 2015-68233170.

3.1.22.7 Reagents must be bar coded.

Yes

3.1.22.8 Must have fixed price for reagents for the term of contract.

Pricing held firm for 36 months

**3.1.23 Iron (IRN), item number DF49A, 240 test per unit or equal**

**Beckman Coulter Iron**

3.1.23.1 Test menu must include the reagents under Section 3.

Refer to attached BCI Quote No. 2015-68233170.

3.1.23.1.1 Must be compatible with free chemistry analyzer

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

3.1.23.2 Must have lot and expiration management for reagents.

YES

3.1.23.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

6-18 months.

3.1.23.4 Must have long onboard reagent stability.

60 days

3.1.23.5 Must have long calibration intervals.

30 days

3.1.23.6 Must be able to perform the test included in the test menu.

Refer to attached BCI Quote No. 2015-68233170.

3.1.23.7 Reagents must be bar coded.

Yes

3.1.23.8 Must have fixed price for reagents for the term of contract.

Pricing held firm for 36 months

**3.1.24 Lipase (LIP), item number DF55A, 120 test per unit or equal**

**Beckman Coulter Lipase**

3.1.24.1 Test menu must include the reagents under Section 3.

Refer to attached BCI Quote No. 2015-68233170.

3.1.24.1.1 Must be compatible with free chemistry analyzer

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

3.1.24.2 Must have lot and expiration management for reagents.

YES

3.1.24.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

6-18 months.

3.1.24.4 Must have long onboard reagent stability.

21 days

3.1.24.5 Must have long calibration intervals.

7 days

3.1.24.6 Must be able to perform the test included in the test menu.

Refer to attached BCI Quote No. 2015-68233170.

3.1.24.7 Reagents must be bar coded.

Yes

3.1.24.8 Must have fixed price for reagents for the term of contract.

Pricing held firm for 36 months

**3.1.25 Magnesium (MG), item number DF57, 120 test per unit or equal**

**Beckman Coulter Magnesium**



|  |   |
|--|---|
| 3.1.25.1 Test menu must include the reagents under Section 3.  | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.25.1.1 Must be compatible with free chemistry analyzer   | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.25.2 Must have lot and expiration management for reagents.   | YES   |
| 3.1.25.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt                                  | 6-18 months.  |
| 3.1.25.4 Must have long onboard reagent stability.   | 7 days  |
| 3.1.25.5 Must have long calibration intervals.   | 7 days  |
| 3.1.25.6 Must be able to perform the test included in the test menu.   | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.25.7 Reagents must be bar coded.   | Yes   |
| 3.1.25.8 Must have fixed price for reagents for the term of contract.  | Pricing held firm for 36 months   |
| <b>Beckman Coulter Carbamazepine</b>   |   |
| <b>3.1.26 Carbamazepine (CRBM), item number DF87, 80 test per unit or equal</b>  | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.26.1 Test menu must include the reagents under Section 3.  | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.26.1.1 Must be compatible with free chemistry analyzer   | YES   |
| 3.1.26.2 Must have lot and expiration management for reagents.   | 6-18 months.  |
| 3.1.26.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt                                  | 90 days   |
| 3.1.26.4 Must have long onboard reagent stability.   | 14 days   |
| 3.1.26.5 Must have long calibration intervals.   | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.26.6 Must be able to perform the test included in the test menu.   | Yes   |
| 3.1.26.7 Reagents must be bar coded.   | Pricing held firm for 36 months   |
| 3.1.26.8 Must have fixed price for reagents for the term of contract.  |   |
| <b>Beckman Coulter Phenobarbital</b>   |   |
| <b>3.1.27 Phenobarbital (PHNO), item number DF60, 80 test per unit or equal</b>  | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.27.1 Test menu must include the reagents under Section 3.  | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.27.1.1 Must be compatible with free chemistry analyzer   | YES   |
| 3.1.27.2 Must have lot and expiration management for reagents .  | 6-18 months.  |
| 3.1.27.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt                                  | 90 days   |
| 3.1.27.4 Must have long onboard reagent stability.   | 14 days   |
| 3.1.27.5 Must have long calibration intervals.   | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.27.6 Must be able to perform the test included in the test menu.   | Yes   |
| 3.1.27.7 Reagents must be bar coded.   | Pricing held firm for 36 months   |
| 3.1.27.8 Must have fixed price for reagents for the term of contract.  |   |
| <b>Beckman Coulter Phenytoin</b>   |   |
| <b>3.1.28 Phenytoin (YfN), item number DF64, 112 test per unit or equal</b>  | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.28.1 Test menu must include the reagents under Section 3.  | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.28.1.1 Must be compatible with free chemistry analyzer   | YES   |
| 3.1.28.2 Must have lot and expiration management for reagents .  | 6-18 months.  |
| 3.1.28.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt                                  | 90 days   |
| 3.1.28.4 Must have long onboard reagent stability.   | 14 days   |
| 3.1.28.5 Must have long calibration intervals.   | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.28.6 Must be able to perform the test included in the test menu.   | Yes   |
| 3.1.28.7 Reagents must be bar coded.   | Pricing held firm for 36 months   |
| 3.1.28.8 Must have fixed price for reagents for the term of contract.  |   |
| <b>Beckman Coulter Valproic Acid</b>   |   |
| <b>3.1.29 Valproic Acid (VALP), item number DF78, 80 test per unit or equal</b>  | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.29.1 Test menu must include the reagents under Section 3.  | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.29.1.1 Must be compatible with free chemistry analyzer   | YES   |
| 3.1.29.2 Must have lot and expiration management for reagents.   | 6-18 months.  |
| 3.1.29.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt                                  | 90 days   |
| 3.1.29.4 Must have long onboard reagent stability.   | 14 days   |
| 3.1.29.5 Must have long calibration intervals.   | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.29.6 Must be able to perform the test included in the test menu.   | Yes   |
| 3.1.29.7 Reagents must be bar coded.   | Pricing held firm for 36 months   |
| 3.1.29.8 Must have fixed price for reagents for the term of contract.  |   |
| <b>Beckman Coulter TPSA not available on AU480. Test is available on Beckman Coulter Access II Immunoassay Analyzer.</b> |   |
| <b>3.1.30 Total Prostate Specific Antigen (TPSA), item number RF451, 120 test per unit or equal</b>                      | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.30.1 Test menu must include the reagents under Section 3.  | T-PSA not on attached BCI Quote No. 2015-68233170.  |
| 3.1.30.1.1 Must be compatible with free chemistry analyzer   | T-PSA not on attached BCI Quote No. 2015-68233170.  |

- 3.1.30.2 Must have lot and expiration management for reagents.
- 3.1.30.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.30.4 Must have long onboard reagent stability.
- 3.1.30.5 Must have long calibration intervals.
- 3.1.30.6 Must be able to perform the test included in the test menu.
- 3.1.30.7 Reagents must be bar coded.
- 3.1.30.8 Must have fixed price for reagents for the term of contract.

**3.1.31 HDL Cholesterol Automated (AHDL), item number DF48A, 240 test per unit or equal**

- 3.1.31.1 Test menu must include the reagents under Section 3.
- 3.1.31.1.1 Must be compatible with free chemistry analyzer provided
- 3.1.31.2 Must have lot and expiration management for reagents.
- 3.1.31.3 Test kit must have minimum shelflife of six (6) months beyond date of receipt
- 3.1.31.4 Must have long onboard reagent stability.
- 3.1.31.5 Must have long calibration intervals.
- 3.1.31.6 Must be able to perform the test included in the test menu.
- 3.1.31.7 Reagents must be bar coded.
- 3.1.31.8 Must have fixed price for reagents for the term of contract.

**3.1.32 Iron Binding (IBCT), item number DF84, 240 test per unit or equal**

- 3.1.32.1 Test menu must include the reagents under Section 3.
- 3.1.32.1.1 Must be compatible with free chemistry analyzer
- 3.1.32.2 Must have lot and expiration management for reagents.
- 3.1.32.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.32.4 Must have long onboard reagent stability.
- 3.1.32.5 Must have long calibration intervals.
- 3.1.32.6 Must be able to perform the test included in the test menu.
- 3.1.32.7 Reagents must be bar coded.
- 3.1.32.8 Must have fixed price for reagents for the term of contract.

**3.1.33 Ammonia (AMON) Calibrator, item number DC25, 1 set/3 levels per unit or equal**

- 3.1.33.1 Test menu must include the reagents under Section 3.
- 3.1.33.1.1 Must be compatible with free chemistry analyzer
- 3.1.33.2 Must have lot and expiration management for reagents.
- 3.1.33.3 Test kit must have minimum shelflife of six (6) months beyond date of receipt
- 3.1.33.4 Must have long onboard reagent stability.
- 3.1.33.5 Must have long calibration intervals.
- 3.1.33.6 Must be able to perform the test included in the test menu.
- 3.1.33.7 Reagents must be bar coded.
- 3.1.33.8 Must have fixed price for reagents for the term of contract.

**3.1.34 CHEMICalibrator, item number DC18A, 1 set/13 levels per unit or equal**

- 3.1.34.1 Test menu must include the reagents under Section 3.
- 3.1.34.1.1 Must be compatible with free chemistry analyzer
- 3.1.34.2 Must have lot and expiration management for reagents .
- 3.1.34.3 Test kit must have minimum shelflife of six (6) months beyond date of receipt
- 3.1.34.4 Must have long onboard reagent stability.
- 3.1.34.5 Must have long calibration intervals.
- 3.1.34.6 Must be able to perform the test included in the test menu.
- 3.1.34.7 Reagents must be bar coded.
- 3.1.34.8 Must have fixed price for reagents for the term of contract.

**3.1.35 CHEM II Calibrator, item number DC20, 1 set/3 levels per unit or equal**

- 3.1.35.1 Test menu must include the reagents under Section 3.
- 3.1.35.1.1 Must be compatible with free chemistry analyzer
- 3.1.35.2 Must have lot and expiration management for reagents.
- 3.1.35.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.35.4 Must have long onboard reagent stability.
- 3.1.35.5 Must have long calibration intervals.

T-PSA not on attached BCI Quote No.2015-68233170.  
T-PSA not on attached BCI Quote No.2015-68233170.  
T-PSA not on attached BCI Quote No.2015-68233170.  
T-PSA not on attached BCI Quote No.2015-68233170.  
T-PSA not on attached BCI Quote No.2015-68233170.  
T-PSA not on attached BCI Quote No.2015-68233170.

**Beckman Coulter HDL-Cholesterol, R1 4x30 mL, R2 4x10 mL**  
Refer to attached BCI Quote No. 2015-68233170.  
BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.  
YES  
6-18 months.  
30 days  
7 days  
Refer to attached BCI Quote No. 2015-68233170.  
Yes  
Pricing held firm for 36 months

**Beckman Coulter Iron Binding**  
Refer to attached BCI Quote No. 2015-68233170.  
BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.  
YES  
6-18 months.  
30 days  
14 days  
Refer to attached BCI Quote No. 2015-68233170.  
Yes  
Pricing held firm for 36 months

**Beckman Coulter equivalent Calibrator for Ammonia**  
Refer to attached BCI Quote No. 2015-68233170.  
BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.  
YES  
6-18 months.  
Refer to BCI Reagent Reference Guide.  
Refer to BCI Reagent Reference Guide.  
Refer to attached BCI Quote No. 2015-68233170.  
Yes  
Pricing held firm for 36 months

**Beckman Coulter equivalent AU Calibrator(s)**  
Refer to attached BCI Quote No. 2015-68233170.  
BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.  
YES  
6-18 months.  
Refer to BCI Reagent Reference Guide.  
Refer to BCI Reagent Reference Guide.  
Refer to attached BCI Quote No. 2015-68233170.  
Yes  
pricing held firm for 36 months

**Beckman Coulter equivalent AU Calibrator(s)**  
Refer to attached BCI Quote No. 2015-68233170.  
BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.  
YES  
6-18 months.  
Refer to BCI Reagent Reference Guide.  
Refer to BCI Reagent Reference Guide.

- 3.1.35.6 Must be able to perform the test included in the test menu.
- 3.1.35.7 Reagents must be bar coded.

- 3.1.35.8 Must have fixed price for reagents for the term of contract.

**3.1.36 Cholesterol (CHOL) Calibrator, item number DC16, 1set/3 levels per unit or equal**

- 3.1.36.1 Test menu must include the reagents under Section 3.

- 3.1.36.1.1 Must be compatible with free chemistry analyzer

- 3.1.36.2 Must have lot and expiration management for reagents.
- 3.1.36.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.36.4 Must have long onboard reagent stability.
- 3.1.36.5 Must have long calibration intervals.
- 3.1.36.6 Must be able to perform the test included in the test menu.
- 3.1.36.7 Reagents must be bar coded.

- 3.1.36.8 Must have fixed price for reagents for the term of contract.

**3.1.37 Creatinine Kinase (CK) Verifier, item number DC26, 1set/3 levels per unit or equal**

- 3.1.37.1 Test menu must include the reagents under Section 3.

- 3.1.37.1.1 Must be compatible with free chemistry analyzer

- 3.1.37.2 Must have lot and expiration management for reagents.
- 3.1.37.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.37.4 Must have long onboard reagent stability.
- 3.1.37.5 Must have long calibration intervals.
- 3.1.37.6 Must be able to perform the test included in the test menu.
- 3.1.37.7 Reagents must be bar coded.

- 3.1.37.8 Must have fixed price for reagents for the term of contract.

**3.1.38 Enzymatic CO2 (EC02) Calibrator, item number DC137, 1 set/3 levels per unit or equal**

- 3.1.38.1 Test menu must include the reagents under Section 3.

- 3.1.38.1.1 Must be compatible with free chemistry analyzer provided

- 3.1.38.2 Must have lot and expiration management for reagents.
- 3.1.38.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.38.4 Must have long onboard reagent stability.
- 3.1.38.5 Must have long calibration intervals.
- 3.1.38.6 Must be able to perform the test included in the test menu.
- 3.1.38.7 Reagents must be bar coded.

- 3.1.38.8 Must have fixed price for reagents for the term of contract.

**3.1.39 Iron (IRN)/Total Iron Binding Capacity (TIBC) Calibrator, item number DC21, 1set/3 levels per unit or equal**

- 3.1.39.1 Test menu must include the reagents under Section 3.

- 3.1.39.1.1 Must be compatible with free chemistry analyzer

- 3.1.39.2 Must have lot and expiration management for reagents.
- 3.1.39.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.39.4 Must have long onboard reagent stability.
- 3.1.39.5 Must have long calibration intervals.
- 3.1.39.6 Must be able to perform the test included in the test menu.
- 3.1.39.7 Reagents must be bar coded.

- 3.1.39.8 Must have fixed price for reagents for the term of contract.

**3.1.40 Lipase (LIP) Verifier, item number DC15A, 1 set/3 levels per unit or equal**

- 3.1.40.1 Test menu must include the reagents under Section 3.

- 3.1.40.1.1 Must be compatible with free chemistry analyzer

- 3.1.40.2 Must have lot and expiration management for reagents.
- 3.1.40.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt
- 3.1.40.4 Must have long onboard reagent stability.
- 3.1.40.5 Must have long calibration intervals.
- 3.1.40.6 Must be able to perform the test included in the test menu.
- 3.1.40.7 Reagents must be bar coded.

Refer to attached BCI Quote No. 2015-68233170.

Yes

pricing held firm for 36 months

**Beckman Coulter equivalent Calibrator for Cholesterol**

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

Pricing held firm for 36 months

**Beckman Coulter equivalent Verifier CK (as necessary)**

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

pricing held firm for 36 months

**BCI's Calibrator equivalent for CO2 (as necessary)**

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

pricing held firm for 36 months

**BCI's Calibrator equivalent for Total Iron Binding (if necessary)**

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

pricing held firm for 36 months

**Beckman Coulter equivalent Verifier Lip (as necessary)**

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

3.1.40.8 Must have fixed price for reagents for the term of contract.

**3.1.41 Total Bilirubin (TBIL)/Direct Bilirubin (DBIL), item number DC17, 1 set/3 levels per unit or equal**

3.1.41.1 Test menu must include the reagents under Section 3.

3.1.41.1.1 Must be compatible with free chemistry analyzer

3.1.41.2 Must have lot and expiration management for reagents.

3.1.41.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

3.1.41.4 Must have long onboard reagent stability.

3.1.41.5 Must have long calibration intervals.

3.1.41.6 Must be able to perform the test included in the test menu.

3.1.41.7 Reagents must be bar coded.

3.1.41.8 Must have fixed price for reagents for the term of contract.

**3.1.42 Total Protein (TP)/Albumin (ALB) Calibrator, item number is DC31, 1set/3 levels per unit or equal**

3.1.42.1 Test menu must include the reagents under Section 3.

3.1.42.1.1 Must be compatible with free chemistry analyzer

3.1.42.2 Must have lot and expiration management for reagents.

3.1.42.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

3.1.42.4 Must have long onboard reagent stability.

3.1.42.5 Must have long calibration intervals.

3.1.42.6 Must be able to perform the test included in the test menu.

3.1.42.7 Reagents must be bar coded.

3.1.42.8 Must have fixed price for reagents for the term of contract.

**3.1.43 Total/Free Prostate Specific Antigen (T/FPSA) Calibrator, item number RC452, 1set/3 levels per unit or equal**

3.1.43.1 Test menu must include the reagents under Section 3.

3.1.43.1.1 Must be compatible with free chemistry analyzer

3.1.43.2 Must have lot and expiration management for reagents .

3.1.43.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

3.1.43.4 Must have long onboard reagent stability.

3.1.43.5 Must have long calibration intervals.

3.1.43.6 Must be able to perform the test included in the test menu.

3.1.43.7 Reagents must be bar coded.

3.1.43.8 Must have fixed price for reagents for the term of contract.

**3.1.44 Cuvette Cartridge, item number D828, 12,000 test per unit or equal**

3.1.44.1 Test menu must include the reagents under Section 3.

3.1.44.1.1 Must be compatible with free chemistry analyzer

3.1.44.2 Must have lot and expiration management for reagents.

3.1.44.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

3.1.44.4 Must have long onboard reagent stability.

3.1.44.5 Must have long calibration intervals.

3.1.44.6 Must be able to perform the test included in the test menu.

3.1.44.7 Reagents must be bar coded.

3.1.44.8 Must have fixed price for reagents for the term of contract.

**3.1.45 Enzyme Diluent, item number ED, 10bt/10 ml per unit or equal**

3.1.45.1 Test menu must include the reagents under Section 3.

3.1.45.1.1 Must be compatible with free chemistry analyzer

3.1.45.2 Must have lot and expiration management for reagents.

3.1.45.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt

3.1.45.4 Must have long onboard reagent stability.

3.1.45.5 Must have long calibration intervals.

3.1.45.6 Must be able to perform the test included in the test menu.

3.1.45.7 Reagents must be bar coded.

pricing held firm for 36 months

BCI's Calibrator(s) equivalent for Direct / Total Bilirubin (as necessary)

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

pricing held firm for 36 months

BCI's Calibrator(s) equivalent for Total Protein / Albumin (as necessary)

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

pricing held firm for 36 months

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter T/F PSA Calibrator not run on AU480.

Beckman Coulter utilized high quality permanent glass cuvettes - this is not a consumable on Beckman Coulter AU-480 analyzer

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

pricing held firm for 36 months

BCI Enzyme Diluent equivalent (if/ as necessary)

Refer to attached BCI Quote No. 2015-68233170.

BCI Exception: AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.

YES

6-18 months.

Refer to BCI Reagent Reference Guide.

Refer to BCI Reagent Reference Guide.

Refer to attached BCI Quote No. 2015-68233170.

Yes

|   |   |
|---|---|
| 3.1.45.8 Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.46 Printer Paper-RxL, item number D829, 6 rolls/80 ft per unit or equal</b>      | As necessary for AU480, BCI AU480 printer paper   |
| 3.1.46.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.46.1.1 Must be compatible with free chemistry analyzer                              | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.46.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.46.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.46.4 Must have long onboard reagent stability.                                      | Refer to BCI Reagent Reference Guide.   |
| 3.1.46.5 Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.46.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.46.7 Reagents must be bar coded.  | Yes   |
| 3.1.46.8 Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.47 Sample Diluent-SD Plus, item number SDPlus, 2 btl/50 ml per unit or equal</b> | <b>BCI Sample Diluent equivalent (as necessary)</b>   |
| 3.1.47.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.47.1.1 Must be compatible with free chemistry analyzer provided                     | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.47.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.47.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.47.4 Must have long onboard reagent stability.                                      | Refer to BCI Reagent Reference Guide.   |
| 3.1.47.5 Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.47.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.47.7 Reagents must be bar coded.  | Yes   |
| 3.1.47.8 Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.48 Small Sample Cups, item number D8C5, 1,000 test per unit or equal</b>         | <b>BCI Small Sample Cups for AU480 equivalent (as necessary)</b>  |
| 3.1.48.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.48.1.1 Must be compatible with free chemistry analyzer                              | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.48.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.48.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.48.4 Must have long onboard reagent stability.                                      | Refer to BCI Reagent Reference Guide.   |
| 3.1.48.5 Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.48.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.48.7 Reagents must be bar coded.  | Yes   |
| 3.1.48.8 Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.49 Sample Cups With Lids, item number DSC4, 1,000 test per unit or equal</b>     | <b>Only if necessary for AU480, BCI Sample Cups with lids</b>   |
| 3.1.49.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.49.1.1 Must be compatible with free chemistry analyzer                              | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.49.2 Must have lot and expiration management for reagents .                         | YES   |
| 3.1.49.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.49.4 Must have long onboard reagent stability.                                      | Refer to BCI Reagent Reference Guide.   |
| 3.1.49.5 Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.49.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.49.7 Reagents must be bar coded.  | Yes   |
| 3.1.49.8 Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.50 Chem Wash, item number RD701, 1btl/1800 ml per unit or equal</b>              | <b>BCI AU480 Wash equivalent as necessary</b>   |
| 3.1.50.1 Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.50.1.1 Must be compatible with free chemistry analyzer                              | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.50.2 Must have lot and expiration management for reagents.                          | YES   |
| 3.1.50.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.50.4 Must have long onboard reagent stability.                                      | Refer to BCI Reagent Reference Guide.   |
| 3.1.50.5 Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.50.6 Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.50.7 Reagents must be bar coded.  | Yes   |
| 3.1.50.8 Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.51 IMT Probe Cleaner, item number RD704, 12 btl per unit or equal</b>            | <b>BCI AU480 Probe Cleaner equivalent as necessary</b>  |

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| 3.1.51.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.51.1.1 Must be compatible with free chemistry analyzer provided                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.51.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.51.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt  | 6-18 months.  |
| 3.1.51.4 Must have long onboard reagent stability.                                       | Refer to BCI Reagent Reference Guide.   |
| 3.1.51.5 Must have long calibration intervals.   | Refer to BCI Reagent Reference Guide.   |
| 3.1.51.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.51.7 Reagents must be bar coded.   | Yes   |
| 3.1.51.8 Must have fixed price for reagents for the term of contract.                    | pricing held firm for 36 months   |
| 3.1.52 Reagent Probe Cleaner, item number RD702, 1 bW500 ml per unit or equal            | <b>BCI AU480 Reagent Probe Cleaner equivalent as necessary</b>  |
| 3.1.52.1 Test menu must include the reagents Under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.52.1.1 Must be compatible with free chemistry analyzer provided.                     | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.52.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.52.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt  | 6-18 months.  |
| 3.1.52.4 Must have long onboard reagent stability.                                       | Refer to BCI Reagent Reference Guide.   |
| 3.1.52.5 Must have long calibration intervals.   | Refer to BCI Reagent Reference Guide.   |
| 3.1.52.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.52.7 Reagents must be bar coded.   | Yes   |
| 3.1.52.8 Must have fixed price for reagents for the term of contract.                    | pricing held firm for 36 months   |
| 3.1.53 Rev Heterogenous Mod Vessels, item number RXVIA, 1,000 test per provided          | <b>BCI's AU480 Vessels (configuration) equivalent, if/as necessary for AU480 analyzer</b>   |
| 3.1.53.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.53.1.1 Must be compatible with free chemistry analyzer                               | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.53.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.53.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt  | 6-18 months.  |
| 3.1.53.4 Must have long onboard reagent stability.                                       | Refer to BCI Reagent Reference Guide.   |
| 3.1.53.5 Must have long calibration intervals.   | Refer to BCI Reagent Reference Guide.   |
| 3.1.53.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.53.7 Reagents must be bar coded.   | Yes   |
| 3.1.53.8 Must have fixed price for reagents for the term of contract.                    | pricing held firm for 36 months   |
| 3.1.54 Sample Probe Cleaner, item number RD70G, 1 btl/1,000 ml per unit or equal         | <b>BCI AU480 Sample Probe Cleaner equivalent if/as necessary</b>  |
| 3.1.54.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.54.1.1 Must be compatible with free chemistry analyzer provided.                     | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.54.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.54.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt  | 6-18 months.  |
| 3.1.54.4 Must have long onboard reagent stability.                                       | Refer to BCI Reagent Reference Guide.   |
| 3.1.54.5 Must have long calibration intervals.   | Refer to BCI Reagent Reference Guide.   |
| 3.1.54.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.54.7 Reagents must be bar coded.   | Yes   |
| 3.1.54.8 Must have fixed price for reagents for the term of contract.                    | pricing held firm for 36 months   |
| 3.1.55 QuickLYTB Dilution Check, item number 8640, 3 bags/1,000 ml per unit or equal     | <b>BCI AU480 Dilution Check equivalent if/as necessary</b>  |
| 3.1.55.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.55.1.1 Must be compatible with free chemistry analyzer provided.                     | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.55.2 Must have lot and expiration management for reagents.                           | YES   |
| 3.1.55.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt. | 6-18 months.  |
| 3.1.55.4 Must have long onboard reagent stability.                                       | Refer to BCI Reagent Reference Guide.   |
| 3.1.55.5 Must have long calibration intervals.   | Refer to BCI Reagent Reference Guide.   |
| 3.1.55.6 Must be able to perform the test included in the test menu.                     | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.55.7 Reagents must be bar coded.   | Yes   |
| 3.1.55.8 Must have fixed price for reagents for the term of contract.                    | pricing held firm for 36 months   |
| 3.1.56 QuickLYTB Flush Solution, item number 8630, 3 bags/1,000 ml per unit or equal     | <b>Only if/as necessary, BCI AU480 flush solution equivalent</b>  |
| 3.1.56.1 Test menu must include the reagents under Section 3.                            | Refer to attached BCI Quote No. 2015-68233170.  |

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| <p>3.1.56.1.1 Must be compatible with free chemistry analyzer provided</p> <p>3.1.56.2 Must have lot and expiration management for reagents.</p> <p>3.1.56.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt</p> <p>3.1.56.4 Must have long onboard reagent stability.</p> <p>3.1.56.5 Must have long calibration intervals.</p> <p>3.1.56.6 Must be able to perform the test included in the test menu.</p> <p>3.1.56.7 Reagents must be bar coded.</p> <p>3.1.56.8 Must have fixed price for reagents for the term of contract.</p> <p>3.1.57 QuickLYTB IMT Cartridge, item number 8600, 4 cartridges per unit or equal</p> <p>3.1.57.1 Test menu must include the reagents under Section 3.</p> <p>3.1.57.1.1 Must be compatible with free chemistry analyzer provided</p> <p>3.1.57.2 Must have lot and expiration management for reagents.</p> <p>3.1.57.3 Test kit must have minimum shelflife of six (6) months beyond date of receipt</p> <p>3.1.57.4 Must have long onboard reagent stability.</p> <p>3.1.57.5 Must have long calibration intervals.</p> <p>3.1.57.6 Must be able to perform the test included in the test menu.</p> <p>3.1.57.7 Reagents must be bar coded.</p> <p>3.1.57.8 Must have fixed price for reagents for the term of contract.</p> <p>3.1.58 QuickLYTB Sample Diluent, item number S635, 1 btl/500 ml per unit or equal</p> <p>3.1.58.1 Test menu must include the reagents under Section 3.</p> <p>3.1.58.1.1 Must be compatible with free chemistry analyzer provided</p> <p>3.1.58.2 Must have lot and expiration management for reagents.</p> <p>3.1.58.3 Test kit must have minimum shelflife of six (6) months beyond date of receipt</p> <p>3.1.58.4 Must have long onboard reagent stability.</p> <p>3.1.58.5 Must have long calibration intervals.</p> <p>3.1.58.6 Must be able to perform the test included in the test menu.</p> <p>3.1.58.7 Reagents must be bar coded.</p> <p>3.1.58.8 Must have fixed price for reagents for the term of contract.</p> <p>3.1.59 QuickLYTB Standard A, item number S620, 3 bags/1,000 ml per unit or equal</p> <p>3.1.59.1 Test menu must include the reagents under Section 3.</p> <p>3.1.59.1.1 Must be compatible with free chemistry analyzer provided</p> <p>3.1.59.2 Must have lot and expiration management for reagents.</p> <p>3.1.59.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt</p> <p>3.1.59.4 Must have long onboard reagent stability.</p> <p>3.1.59.5 Must have long calibration intervals.</p> <p>3.1.59.6 Must be able to perform the test included in the test menu.</p> <p>3.1.59.7 Reagents must be bar coded.</p> <p>3.1.59.8 Must have fixed price for reagents for the term of contract.</p> <p>3.1.60 QuickLYTB Standard B, item number 8625, 3 bags/1,000 ml per unit or equal</p> <p>3.1.60.1 Test menu must include the reagents under Section 3.</p> <p>3.1.60.1.1 Must be compatible with free chemistry analyzer provided.</p> <p>3.1.60.2 Must have lot and expiration management for reagents.</p> <p>3.1.60.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt</p> <p>3.1.60.4 Must have long onboard reagent stability.</p> <p>3.1.60.5 Must have long calibration intervals.</p> <p>3.1.60.6 Must be able to perform the test included in the test menu.</p> <p>3.1.60.7 Reagents must be bar coded.</p> <p>3.1.60.8 Must have fixed price for reagents for the term of contract.</p> <p>3.1.61 Salt Bridge Solution, item number D105, 3 btl/150 ml per unit or equal</p> <p>3.1.61.1 Test menu must include the reagents under Section 3.</p> <p>3.1.61.1.1 Must be compatible with free chemistry analyzer provided</p> <p>3.1.61.2 Must have lot and expiration management for reagents.</p> <p>3.1.61.3 Test kit must have minimum shelf life of six (6) months beyond date of receipt</p> <p>3.1.61.4 Must have long onboard reagent stability.</p> | <p><u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.</p> <p>YES<br/>6-18 months.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to attached BCI Quote No. 2015-68233170.<br/>Yes<br/>pricing held firm for 36 months</p> <p><b>Only if/as necessary, BCI AU480 equivalent</b><br/>Refer to attached BCI Quote No. 2015-68233170.</p> <p><u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.</p> <p>YES<br/>6-18 months.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to attached BCI Quote No. 2015-68233170.<br/>Yes<br/>pricing held firm for 36 months</p> <p><b>BCI Sample Diluent equivalent (as necessary)</b><br/>Refer to attached BCI Quote No. 2015-68233170.</p> <p><u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.</p> <p>YES<br/>6-18 months.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to attached BCI Quote No. 2015-68233170.<br/>Yes<br/>pricing held firm for 36 months</p> <p><b>Only if/as necessary, BCI AU480 equivalent</b><br/>Refer to attached BCI Quote No. 2015-68233170.</p> <p><u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.</p> <p>YES<br/>6-18 months.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to attached BCI Quote No. 2015-68233170.<br/>Yes<br/>pricing held firm for 36 months</p> <p><b>Only if/as necessary, BCI AU480 equivalent</b><br/>Refer to attached BCI Quote No. 2015-68233170.</p> <p><u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.</p> <p>YES<br/>6-18 months.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to BCI Reagent Reference Guide.<br/>Refer to attached BCI Quote No. 2015-68233170.<br/>Yes<br/>pricing held firm for 36 months</p> <p><b>Only if/as necessary, BCI AU480 equivalent.</b><br/>Refer to attached BCI Quote No. 2015-68233170.</p> <p><u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170.</p> <p>YES<br/>6-18 months.<br/>Refer to BCI Reagent Reference Guide.</p> |
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| 3.1.61.5  | Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.61.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.61.7  | Reagents must be bar coded.  | Yes   |
| 3.1.61.8  | Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.62 Reagent Probe Tip, item number 715871.505, 48,000 test per unit or equal</b>                        |  | <b>Only if/as necessary, BCI AU480 equivalent</b>   |
| 3.1.62.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.62.1.1  | Must be compatible with free chemistry analyzer provided.                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.62.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.62.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.62.4  | Must have long onboard reagent stability.                                      | Refer to BCI Reagent Reference Guide.   |
| 3.1.62.5  | Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.62.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.62.7  | Reagents must be bar coded.  | Yes   |
| 3.1.62.8  | Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.63 Liquid Glucose (GLUC), item number DF40, 1,440 test per unit or equal</b>                           |  | <b>Beckman Coulter Glucose</b>  |
| 3.1.63.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.63.1.1  | Must be compatible with free chemistry analyzer                                | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.63.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.63.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.63.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.63.5  | Must have long calibration intervals.  | 30 days   |
| 3.1.63.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.63.7  | Reagents must be bar coded.  | Yes   |
| 3.1.63.8  | Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.64 Lithium (LI), item number DF132, 80 test per unit or equal</b>                                      |  | <b>Beckman Coulter Lithium</b>  |
| 3.1.64.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.64.1.1  | Must be compatible with free chemistry analyzer provided.                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.64.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.64.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.64.4  | Must have long onboard reagent stability.                                      | 14 days   |
| 3.1.64.5  | Must have long calibration intervals.  | 7 days  |
| 3.1.64.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.64.7  | Reagents must be bar coded.  | Yes   |
| 3.1.64.8  | Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.65 Automated LDL Cholesterol (ALDL), item number DF131, 120 test per unit or equal</b>                 |  | <b>Beckman Coulter LDL Cholesterol</b>  |
| 3.1.65.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.65.1.1  | Must be compatible with free chemistry analyzer provided.                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.65.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.65.3  | Test kit must have minimum shelflife of six (6) months beyond date of receipt  | 6-18 months.  |
| 3.1.65.4  | Must have long onboard reagent stability.                                      | 30 days   |
| 3.1.65.5  | Must have long calibration intervals.  | 7 days  |
| 3.1.65.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.65.7  | Reagents must be bar coded.  | Yes   |
| 3.1.65.8  | Must have fixed price for reagents for the term of contract.                   | pricing held firm for 36 months   |
| <b>3.1.66 Automated LDL Cholesterol (ALDL) Calibrator, item number DC131, 1set/3 levels per unit or equal</b> |  | <b>Beckman Coulter Calibrator for LDL Cholesterol necessary equivalent</b>  |
| 3.1.66.1  | Test menu must include the reagents under Section 3.                           | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.66.1.1  | Must be compatible with free chemistry analyzer provided.                      | <u>BCI Exception:</u> AU480 w/ISE Clinical Chemistry Analyzer quoted as Cost Per Reportable-Reagent Rental Lease on attached Beckman Coulter Quote No. 2015-68233170. |
| 3.1.66.2  | Must have lot and expiration management for reagents.                          | YES   |
| 3.1.66.3  | Test kit must have minimum shelf life of six (6) months beyond date of receipt | 6-18 months.  |
| 3.1.66.4  | Must have long onboard reagent stability.                                      | Refer to BCI Reagent Reference Guide.   |
| 3.1.66.5  | Must have long calibration intervals.  | Refer to BCI Reagent Reference Guide.   |
| 3.1.66.6  | Must be able to perform the test included in the test menu.                    | Refer to attached BCI Quote No. 2015-68233170.  |
| 3.1.66.7  | Reagents must be bar coded.  | Yes   |



3.1.66.8 Must have fixed price for reagents for the term of contract.

pricing held firm for 36 months

#### 3.1.67 Training

3.1.67.1 Vendor must provide a company representative for installation and training. Installation and training for equipment must be completed within six (6) weeks of delivery date. Staff training is supplied by the vendor.

Refer to Sec.2.6 Miscellaneous (B) Training (pg.7) on attached BCI Quote No. 2015-68233170 for AU480 factory-based training specifications.

Beckman Coulter Response on Line item 3.1.1.1 prevails (refer above) for conditions of Warranty and post-warranty service coverage for the AU480 w/ISE offered in attached BCI Quote No. 2015-68233170.

#### 3.1.68 Maintenance

3.1.68.1 Vendor will retain ownership of the analyzer and will maintain the analyzer in working order to allow the facility to use them with the requested reagents.

Title to AU480 w/ISE Clinical Chemistry Analyzer remains with Beckman Coulter, Inc. and General Terms and Conditions prevail as stated in Title: Security Interest [pg.10] of attached BCI Quote No. 2015-68233170.

3.1.68.2 Vendor shall ensure that a local engineer/technician is available to provide services within 12 hours of receiving a service call, within 24 hours on nights, weekends, and holidays. Technical support shall be available via telephone 24 hours a day/7 days a week to troubleshoot problems and/or answer staff questions.

Beckman Coulter Warranty and additional Service Coverage is Standard Business Hours (8AM through 5PM); BCI-response time is within an average of fifteen (15) hours from time of first notification. Telephone "Hotline" (troubleshooting) Service Support is included with Warranty. With award of contract which includes Service Coverage paid through Cost Per Test Reagent Rental Contract, general telephone service support is provided during Standard Business Hours.

3.2 The estimated purchase volume for each item represents the approximate yearly volume of anticipated purchases only.

Refer to attached BCI response on Quote No. 2015-68233170.

#### 4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agencies with a

purchase price on all Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

BCI agrees but with Exception: BCI proposes Cost Per Reportable-Reagent Rental Plan Lease of 48 months, with prices listed as shown on BCI Quote No. 2015-68233170.

4.2 Pricing Pages: Vendor should complete the Pricing Pages by multiplying the unit cost by the quantity. Vendor should complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bids being disqualified.

Refer to BCI Cost Per Reportable-Reagent Rental on Beckman Coulter Quote No. 2015-68233170.

The Pricing Pages contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

Refer to BCI Cost Per Reportable-Reagent Rental on Beckman Coulter Quote No. 2015-68233170.

Vendor should electronically enter the information into the Pricing Pages

Refer to BCI response to bid.

through wvOASIS, if available, or as an electronic document. In most cases, the Vendor can request an electronic copy of the Pricing Pages for bid purposes by sending an email request to the following address: Gregory.C.Clay@wv.gov

#### 5. ORDERING AND PAYMENT:

5.1 Ordering: Vendor shall accept orders through wvOASIS, regular mail, facsimile, e-mail, or any other written form of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website.

BCI can accept online ordering through its own E-Store and through US mail, Facsimile, and will review wvOASIS to ensure correct use (if not already in use between parties).

If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Vendor shall ensure that its on-line ordering system is properly secured prior to processing Agency orders on-line.

5.2 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

Beckman Coulter Terms of Payment: Net 30 Days.

#### 6. DELIVERY AND RETURN:

6.1 Delivery Time: Vendor shall deliver standard orders within five (5) working days after orders are received. Vendor shall deliver emergency orders within two (2) working day(s) after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

BCI agrees.

6.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Beckman Coulter Client Services Customer Service (CSR) will advise of any delivery delays.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

BCI agrees.

6.3 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B.

Equipment will be shipped F.O.B. destination with all costs of transportation and insurance being paid by Beckman Coulter as long as the Equipment is shipped using Beckman Coulter's standard shipping schedule and method.

destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

Consumables: If Customer orders the Consumables using Beckman Coulter's electronic commerce site, one shipment per month of Consumables shall be F.O.B. destination with all costs of transportation and insurance being paid by Beckman Coulter. For Consumables that are not available on Beckman Coulter's electronic commerce site, one shipment per month of Consumables will be F.O.B. destination with all costs of transportation and insurance being paid by Beckman Coulter for Consumables if Customer puts these Consumables on a standing order (changes to which may only be made once per year) and the Consumables are shipped using Beckman Coulter's standard shipping schedule and method. All changes to Beckman Coulter's shipping schedule or method requested by Customer may be subject to a fee. All other shipments of Consumables shall be F.O.B. shipping point with all freight charges pre-paid by Beckman Coulter and invoiced to Customer.

6.4 Return of Unacceptable Items: If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

Beckman Coulter Exception: Beckman Coulter Returned Materials Authorization (RMA) Procedure shall prevail. Refer to attached Beckman Coulter RMA Procedure.

6.5 Return Due to Agency Error: Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

Beckman Coulter Exception: Beckman Coulter Returned Materials Authorization (RMA) Procedure shall prevail. Refer to attached Beckman Coulter RMA Procedure.

7. VENDOR DEFAULT:

7.1 The following shall be considered a vendor default under this Contract.

7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.

Refer to BCI responses and exceptions as stated herein.

7.1.2 Failure to comply with other specifications and requirements contained herein.

Refer to BCI responses and exceptions as stated herein.

7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

Laws of State of West Virginia apply.

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.

BCI agrees: BCI will work with WV-Mildred Mitchell Bateman Hospital Procurement in the event of amendment requirement to a mutually acceptable agreement.

8.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

BCI agrees.

8.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

Upon written (e-mailed) notification. BCI will provide quarterly reports and annual summaries.

8.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Customer Service Representative (in Brea, California corporate offices): Belinda Mickas, Customer Service Phone: 800-526-3821. Fax: 888-899-6793 (for existing contract correspondence).

|  |  |
|--|--|
| Beckman Coulter Account Sales Consultant Teresa Ford:                        | BCI Mobile: 304-389-4208 / teresa.l.ford@beckman.com |
| Beckman Coulter Clinical-Chemistry Capital Equipment Consultant: Ben Dreher: | BCI Mobile: 614-593-0318 / brdreher@beckman.com      |



## **Returned Material Authorization (RMA) Policy**

### **Product Return**

- Customer must obtain a Returned Material Authorization (RMA) prior to returning any product to Beckman Coulter, Inc. (BCI) for replacement or credit.
- Customer may obtain an RMA by calling BCI customer service at 800-526-3821.
- Customer is responsible for paying freight and insurance for all product returns, except when a product is returned as a result of an error by BCI, as determined by BCI in its sole discretion.
- Once an RMA is issued, Customer must return the product to BCI (as specified in the RMA) within 30 days.
- Upon receipt of the product, BCI will inspect the product and, if the product passes inspection, shall issue a credit or send a replacement for the products.

### **Restrictions Generally:**

- To receive credit or a replacement product, Customer must return the product in the same condition as delivered, normal wear excepted for instruments.
- If a product can be restocked, as determined by BCI, Customer must request an RMA within 30 days of the date of the invoice for the product and will incur a 15% processing fee, which will be offset against any credit issued.

### **Part Returns:**

- All Service Part Sales are final.

### **Reagents and Other Consumables:**

(Excludes Service Part Consumable sales)

- BCI will issue an RMA only if the product is under warranty and Customer has handled and stored the product according to its labeling.
- BCI will not issue an RMA for any dated or expired product, product made from hazardous materials, or product requiring temperature control.
- Excludes Service Part Consumable sales

### **Instruments and Accessories:**

- For purchased product, BCI will issue an RMA to Customer only if the instrument or accessory is under warranty and only if a BCI field service representative has verified and documented that the instrument or accessory cannot be repaired.
- BCI will not issue an RMA for instruments and accessories covered by an unexpired lease or reagent rental type agreement.
- For product obtained under a leased or reagent rental type agreement, BCI will only issue an RMA to Customer after expiration of the lease or rental type agreement and only after Customer has given a 90 day notice that the lease or reagent rental type agreement is not to be renewed.

### **Option To Destroy Product**

- At BCI's sole option and instead of issuing an RMA, BCI may require Customer to destroy a product for credit or replacement.
- BCI will issue a credit upon instructing Customer to destroy the product.
- BCI may verify that the product was destroyed pursuant to its instructions, and in the event the product was not destroyed as instructed, BCI may invoice the Customer for the price of the product.

# Compact, reliable and cost-effective

## AU480 Clinical Chemistry System



**Chemistry**  
Lab Automation  
Information Systems  
Molecular Diagnostics  
Immunodiagnosics  
Centrifugation  
**Disease Management**  
Hematology  
Hemostasis  
Flow Cytometry  
Primary Care

The AU480 is ideal as a primary chemistry analyzer for small- to medium-sized hospitals and laboratories, or as a dedicated specialty chemical or STAT analyzer for larger institutions. With random access throughput of up to 400 photometric tests per hour (up to 800 with electrolytes), 63 on-board parameters and user-definable sample handling options, the AU480 delivers efficiency for all your lab needs.

- Proven reliability and low maintenance
- Refrigerated reagent compartment and STAT module
- High-quality, permanent glass cuvettes
- High-precision micro-sampling, ideal for pediatric testing
- Proprietary precision optics
- Long-life ISEs
- 80-sample continuous rack loader
- Plug-and-play calibration (2-D bar-code)

# AU480 Clinical Chemistry System Specifications

## Analytical System

Fully automated, random-access clinical chemistry with STAT capability

## Analytical Principles

Spectrophotometry and potentiometry

## Assay Types

End point, rate, fixed point and indirect ISE

## Analytical Methods

Colorimetry, turbidimetry, latex agglutination, homogeneous EIA, indirect ISE

## Simultaneously Processed Analytes

60 photometric tests + 3 ISE

## Throughput

400 photometric tests/hour; maximum of 800 with ISE

## Sample Types

Serum, plasma, urine, other

## Rack Sampler

Racks with 10 samples each (bar-codes on primary tubes and on racks); capacity of 80 samples; continuous loading

## Sample Tubes

Primary and secondary tubes; diameter from 11.5 to 16 mm; height from 55 to 102 mm; nested micro cups

## STAT Samples

Up to 22 positions for STAT samples, bar-coded primary tubes

## Sample Volume

1–25 µl in 0.1 µl increments

## Reagent Supply

Refrigerated (4°C –12°C); 76 positions for (R1 + R2, detergent position)

## Reagent Volume

R1. 10–250 µl; R2. 10–250 µl; (1 µl increments)

## Total Reaction Volume

90–350 µl

## Reaction Cuvette

Permanent hard glass cuvette

## Reaction Time

Up to 8 minutes, 37.5 seconds

## Reaction Temperature

37°C

## Photometric Range

0 – 3.0 OD

## Wavelength

13 different wavelengths between 340–800 nm

## Calibration

Auto calibration, cooled calibrator positions; master calibration established by two-dimensional bar-code

## Quality Control

Auto QC, cooled QC positions

## Test Requisition

Individual and profile test requisition online, mouse, function keys or optional touch screen

## Safety

Clot detection and crash prevention for sample and reagent dispenser

## Online

Full uni- and bi-directional communication possible

## Software

Windows XP

## Data Storage

Up to 100,000 patient samples

## Dimensions (W x H x D) in

57 x 48 x 30 (1,450 x 1,205 x 760 mm) analyzer only

## Power Supply

100–240 V; 60 Hz / < 3.5 kVA

## Water Supply information

Water Consumption: 20 L/hour

Water Type: Deionized CAP Type II, Bacteria Free, Continuous Flow Supply

## Repeat Run

Automatic dilutions, also increase/decrease sample volumes, no operator intervention required

## Reflex Testing

User defined

## Automation Predilution

For Urine and other samples



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MOVING YOUR LAB FORWARD

# AU REAGENT QUICK REFERENCE GUIDE



**BECKMAN  
COULTER**

ring  
(DAT)  
)  
(e)

**Bicarbonate**

CO<sub>2</sub>

OSR6137 (4 x 500 tests)  
OSR6237 (4 x 1000 tests)

OSR6137 (4 x 590 tests)  
OSR6237 (4 x 1180 tests)  
OSR6537 (4 x 2285 tests)<sup>1</sup>

OSR6137 (4 x 740 tests)  
OSR6237 (4 x 1440 tests)

DR0070 (1&2)

No specific recommendation

**Phosphoenolpyruvate Carboxylase**

Fixed

380 nm

1, 9

Liquid

7 days

+2 to +8°C

1 Day

Heparin

R1 = 50 µL

R1 = 42 µL

R1 = 32 µL

**Serum/Plasma**

Serum/Plasma 3 µL  
Urine N/A  
CSF N/A

Serum/Plasma 2.5 µL  
Urine N/A  
CSF N/A

Serum/Plasma 1.9 µL  
Urine N/A  
CSF N/A

**SI Units**

Serum/Plasma 2-45 mEq/L  
Urine N/A  
CSF N/A

Serum/Plasma 2-45 mmol/L  
Urine N/A  
CSF N/A

Serum/Plasma 23-29 mEq/L  
Urine N/A  
CSF N/A

Serum/Plasma  
Adults 23-29 mmol/L  
Urine N/A  
CSF N/A

Serum/Plasma < 7% CV or SD <  
1.5 mEq/L<sup>2</sup>  
Urine N/A  
CSF N/A

Serum/Plasma < 7% CV or SD <  
1.5 mmol/L<sup>2</sup>  
Urine N/A  
CSF N/A

<sup>1</sup> Use the order number  
AUB40/AU2700/AUB400 only

**Albumin**

ALB

OSR6102 (4 x 500 tests)  
OSR6202 (4 x 910 tests)

OSR6102 (4 x 820 tests)  
OSR6202 (4 x 1120 tests)  
OSR6602 (information forthcoming)<sup>1</sup>

OSR6102 (4 x 845 tests)  
OSR6202 (4 x 1460 tests)

DR0070-2

No specific recommendation

BCG

End

600 nm

0, 1

Liquid

90 days

+2 to +25°C

30 days

Heparin, EDTA

R1 = 58 µL

R1 = 46 µL

R1 = 32 µL

**Serum/Plasma**

Serum/Plasma 2 µL  
Urine N/A  
CSF N/A

Serum/Plasma 1.6 µL  
Urine N/A  
CSF N/A

Serum/Plasma 1.1 µL  
Urine N/A  
CSF N/A

**SI Units**

Serum/Plasma 1.5-6.0 g/dL  
Urine N/A  
CSF N/A

Serum/Plasma 15-60 g/L  
Urine N/A  
CSF N/A

Serum/Plasma 3.5-5.7 g/dL  
Urine N/A  
CSF N/A

Serum/Plasma 35-57 g/L  
Urine N/A  
CSF N/A

Serum/Plasma < 3% CV  
Urine N/A  
CSF N/A

Serum/Plasma < 3% CV  
Urine N/A  
CSF N/A

<sup>1</sup> AUC700/AUB400 only

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| GENERAL CHEMISTRY                              |  |   |   |  |
|--|--|---|---|--|
|  |  | Calcium Arsenazo  | Calcium oCPC  |  |
| Abbreviation                                   |  | CALA  | CA  |  |
| Kit: AU400/AU640                               |  | OSR60117 (4 x 500 tests)<br>OSR61117 (4 x 930 tests)                                | OSR6113 (4 x 450 tests)<br>OSR6213 (4 x 815 tests)                            |  |
| Kit: AU480/AU680/AU2700/<br>AU5400             |  | OSR60117 (4 x 700 tests)<br>OSR61117 (4 x 1313 tests)<br>OSR65117 (4 x 4500 tests)† | OSR6113 (4 x 590 tests)<br>OSR6213 (4 x 1080 tests)                           |  |
| Kit: AU5800                                    |  | OSR60117 (4 x 990 tests)<br>OSR61117 (4 x 1700 tests)                               | OSR6113 (4 x 720 tests)<br>OSR6213 (4 x 1310 tests)                           |  |
| Calibrator Part Number                         |  | Serum/Plasma: DR0070 (1&2) Urine: DR0090  | Serum/Plasma: DR0070 (1&2) Urine: DR0090                                      |  |
| Control Name (Part Number)                     |  | Serum/Plasma: No specific recommendation<br>Urine: No specific recommendation       | Serum/Plasma: No specific recommendation<br>Urine: No specific recommendation |  |
| Measurement Principle                          |  | Arsenazo  | o-Cresolphthalein Complexone  |  |
| Reaction Type                                  |  | End   | End   |  |
| Primary Wavelength                             |  | 660 nm  | 570 nm  |  |
| Measuring Points                               |  | 0, 10   | 0, 270, 10  |  |
| Liquid or Lyophilized                          |  | Liquid  | Liquid  |  |
| Onboard Stability                              |  | 80 days   | 30 days   |  |
| Storage Temperature                            |  | +2 to +8°C  | +2 to +25°C   |  |
| Calibration Frequency                          |  | 30 days   | 1 day   |  |
| Compatible Anticoagulants                      |  | Heparin   | N/A   |  |
| Reagent Volume                                 |  |   |   |  |
| AU400/AU640                                    |  | Serum: R1 = 29 µL, Urine: R1 = 25 µL  | R1 = 60 µL, R2 = 60 µL  |  |
| AU480/AU680/AU2700/<br>AU5400                  |  | Serum: R1 = 21 µL<br>Urine: R1 = 25 µL  | Serum: R1 = 45 µL, R2 = 45 µL<br>Urine: R1 = 60 µL, R2 = 60 µL                |  |
| AU5800   |  | Serum: R1 = 16 µL<br>Urine: R1 = 16 µL  | Serum: R1 = 36 µL, R2 = 36 µL<br>Urine: R1 = 48 µL, R2 = 48 µL                |  |
| Sample Type                                    |  | Serum/Plasma/Urine  | Serum/Urine   |  |
| Sample Size<br>(AU400/AU640)                   |  | Serum/Plasma: 3.5 µL<br>Urine: 2 µL<br>CSF: N/A                                     | Serum: 5 µL<br>Urine: 2 µL<br>CSF: N/A  |  |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |  | Serum/Plasma: 2.5 µL<br>Urine: 2 µL<br>CSF: N/A                                     | Serum: 3.7 µL<br>Urine: 3 µL<br>CSF: N/A                                      |  |
| Sample Size<br>(AU5800)                        |  | Serum/Plasma: 1.9 µL<br>Urine: 1.3 µL<br>CSF: N/A                                   | Serum: 3 µL<br>Urine: 2.4 µL<br>CSF: N/A                                      |  |
| Analytical Range                               |  | Serum/Plasma: 4-18 mg/dL<br>Urine: 0.1-40.0 mg/dL<br>CSF: N/A                       | SI Units<br>Serum/Plasma: 1-4.5 mmol/L<br>Urine: 0.025-10 mmol/L<br>CSF: N/A  | Serum: 0-18 mg/dL<br>Urine: 0-40 mg/dL<br>CSF: N/A   |
| Reference Interval                             |  | Serum/Plasma: 8.6-10.3 mg/dL<br>Urine: 100-300 mg/24 hrs<br>CSF: N/A                | Serum/Plasma: 2.1-2.6 mmol/L<br>Urine: 25-75 mmol/24 hrs<br>CSF: N/A          | Serum: 0-4.5 mmol/L<br>Urine: 0-10 mmol/L<br>CSF: N/A  |
| Precision Specification                        |  | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A                                     | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A                               | Serum: < 5% CV or SD < 0.08 mmol/L <sup>1</sup><br>Urine: < 5% CV or SD < 0.08 mmol/L <sup>1</sup><br>CSF: N/A |
| Comment(s)                                     |  | † AU680/AU2700/AU5400 only  | <sup>1</sup> Use the greater number   |  |



|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| GENERAL CHEMISTRY   |  |   |  |
|---|--|---|--|
| Cholesterol   |  | Creatinine  |  |
| CHOL  |  | CRE   |  |
| OSR6116 (4 x 500 tests)<br>OSR6216 (4 x 1000 tests)                             |  | OSR6178 (4 x 425 tests)   |  |
| OSR6116 (4 x 910 tests)<br>OSR6216 (4 x 1830 tests)<br>OSR6516 (4 x 3975 tests) |  | OSR6178 (4 x 930 tests)<br>OSR6678 (information forthcoming)*   |  |
| OSR6116 (4 x 1190 tests)<br>OSR6216 (4 x 2380 tests)                            |  | OSR6178 (4 x 1215 tests)  |  |
| DR0070-2  |  | Serum/Plasma: DR0070 (1&2), Urine: DR0091   |  |
| No specific recommendation  |  | Serum/Plasma: No specific recommendation<br>Urine: No specific recommendation   |  |
| Enzymatic   |  | Modified Jaffe, Kinetic   |  |
| End   |  | Fixed   |  |
| 540 nm  |  | 520 nm  |  |
| D, 27   |  | 13, 24  |  |
| Liquid  |  | Liquid  |  |
| 90 days   |  | 7 days  |  |
| +2 to +8°C  |  | +2 to +8°C  |  |
| 30 Days   |  | 1 day, see IFU  |  |
| Heparin, EDTA   |  | Heparin   |  |
| R1 = 45 µL  |  | R1 = 120 µL, R2 = 120 µL  |  |
| R1 = 24 µL  |  | Serum: R1 = 48 µL, R2 = 48 µL<br>Urine: R1 = 120 µL, R2 = 120 µL  |  |
| R1 = 18 µL  |  | Serum: R1 = 36 µL, R2 = 36 µL<br>Urine: R1 = 90 µL, R2 = 90 µL  |  |
| Serum/Plasma  |  | Serum/Plasma/Urine  |  |
| Serum/Plasma 3 µL<br>Urine N/A<br>CSF N/A                                       |  | Serum/Plasma 20 µL<br>Urine 8 µL<br>CSF N/A   |  |
| Serum/Plasma 1.6 µL<br>Urine N/A<br>CSF N/A                                     |  | Serum/Plasma 8 µL<br>Urine 8 µL<br>CSF N/A  |  |
| Serum/Plasma 1.2 µL<br>Urine N/A<br>CSF N/A                                     |  | Serum/Plasma 6 µL<br>Urine 6 µL<br>CSF N/A  |  |
| SI Units  |  | SI Units  |  |
| Serum/Plasma 25-700 mg/dL<br>Urine N/A<br>CSF N/A                               | Serum/Plasma 0.6-18.1 mmol/L<br>Urine N/A<br>CSF N/A | Serum/Plasma 0.2-25.0 mg/dL<br>Urine 1-300 mg/dL<br>CSF N/A   | Serum/Plasma 18-2210 µmol/L<br>Urine 88-26520 µmol/L<br>CSF N/A            |
| Serum/Plasma < 200 mg/dL<br>Urine N/A<br>CSF N/A                                | Serum/Plasma < 5.18 mmol/L<br>Urine N/A<br>CSF N/A   | Serum/Plasma M: 0.7-1.3 mg/dL<br>F: 0.6-1.2 mg/dL<br>Urine M: 14-26 mg/kg/24 hrs, F:<br>11-20 mg/kg/24 hrs<br>CSF N/A | Serum/Plasma M: 62-115 µmol/L,<br>F: 53-106 µmol/L<br>Urine N/A<br>CSF N/A |
| Serum/Plasma < 3% CV<br>Urine N/A<br>CSF N/A                                    | Serum/Plasma < 3% CV<br>Urine N/A<br>CSF N/A         | Serum/Plasma < 6% CV<br>Urine N/A<br>CSF N/A  | Serum/Plasma < 6% CV<br>Urine N/A<br>CSF N/A                               |
| * AU680/AU2700/AU5400 only  |  |   |  |

GENERAL CHEMISTRY

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

|  | Creatine Kinase                                     |  | Direct Bilirubin  |
|--|---|--|---|
|  | CK  |  | DBIL <sup>1</sup>   |
|  | OSR6179 (4 x 200 tests)<br>OSR6279 (4 x 425 tests)  |  | OSR6111 (4 x 200 tests)<br>OSR6211 (4 x 660 tests)  |
|  | OSR6179 (4 x 230 tests)<br>OSR6279 (4 x 490 tests)  |  | OSR6111 (4 x 230 tests)<br>OSR6211 (4 x 780 tests)<br>OSR6511 (4 x 3635 tests) <sup>2</sup> |
|  | OSR6179 (4 x 300 tests)<br>OSR6279 (4 x 640 tests)  |  | OSR6111 (4 x 310 tests)<br>OSR6211 (4 x 1050 tests)   |
|  | N/A   |  | DR0070-1  |
|  | No specific recommendation                          |  | No specific recommendation  |
|  | IFCC-CK (IAC)                                       |  | Diazonium Salt, DPD   |
|  | Rate  |  | End   |
|  | 340 nm  |  | 570 nm  |
|  | 21, 27  |  | 0, 2  |
|  | Liquid  |  | Liquid  |
|  | 30 days   |  | 21 days   |
|  | +2 to +8°C  |  | +2 to +8°C  |
|  | N/A   |  | 7 days  |
|  | Heparin   |  | Heparin   |
|  | R1 = 120 µL, R2 = 30 µL                             |  | R1 = 30 µL  |
|  | R1 = 100 µL, R2 = 25 µL                             |  | R1 = 25 µL  |
|  | R1 = 75 µL, R2 = 19 µL                              |  | R1 = 19 µL  |
|  | Serum/Plasma  |  | Serum/Plasma  |
|  | Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A        |  | Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A  |
|  | Serum/Plasma: 2.5 µL<br>Urine: N/A<br>CSF: N/A      |  | Serum/Plasma: 2.5 µL<br>Urine: N/A<br>CSF: N/A  |
|  | Serum/Plasma: 1.9 µL<br>Urine: N/A<br>CSF: N/A      |  | Serum/Plasma: 1.9 µL<br>Urine: N/A<br>CSF: N/A  |
|  | SI Units  |  | SI Units  |
|  | Serum/Plasma: 10-2000 U/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.17-33.3 µkat/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0-10 mg/dL<br>Urine: N/A<br>CSF: N/A  |
|  | Serum/Plasma: 30-223 U/L<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: 0.50-3.72 µkat/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.03-0.18 mg/dL<br>Urine: N/A<br>CSF: N/A                                     |
|  | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A         | Serum/Plasma: < 7.5% CV or SD ≤ 0.23 µmol/L <sup>2</sup><br>Urine: N/A<br>CSF: N/A          |
|  |   |  | Serum/Plasma: < 7.5% CV or SD ≤ 3.9 µmol/L <sup>2</sup><br>Urine: N/A<br>CSF: N/A           |

<sup>1</sup> Both color test DBIL-C and blank test DBIL-B need to be run.  
<sup>2</sup> Use the greater number.  
<sup>3</sup> AU5800/AU2700/AU5400 only

**GENERAL CHEMISTRY**

|                                       |
|---------------------------------------|
| <b>Abbreviation</b>                   |
| <b>Kit: AU400/AU640</b>               |
| <b>Kit: AU480/AU680/AU2700/AU5400</b> |
| <b>Kit: AU5800</b>                    |
| <b>Calibrator Part Number</b>         |
| <b>Control Name (Part Number)</b>     |

|                              |
|------------------------------|
| <b>Measurement Principle</b> |
| <b>Reaction Type</b>         |
| <b>Primary Wavelength</b>    |
| <b>Measuring Points</b>      |

|                                  |
|----------------------------------|
| <b>Liquid or Lyophilized</b>     |
| <b>Onboard Stability</b>         |
| <b>Storage Temperature</b>       |
| <b>Calibration Frequency</b>     |
| <b>Compatible Anticoagulants</b> |
| <b>Reagent Volume</b>            |
| <b>AU400/AU640</b>               |
| <b>AU480/AU680/AU2700/AU5400</b> |
| <b>AU5800</b>                    |

|  |
|--|
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |

|                                |
|--------------------------------|
| <b>Analytical Range</b>        |
| <b>Reference Interval</b>      |
| <b>Precision Specification</b> |
| <b>Comment(s)</b>              |

| <b>Direct Bilirubin</b>  |  | <b>Gamma-Glutamyltransferase</b>  |  |
|--|--|---|--|
| <b>DBIL</b>  |  | <b>GGT</b>  |  |
| OSR61181 (4 x 300 tests)   |  | OSR6119 (4 x 300 tests)<br>OSR6219 (4 x 600 tests)                        |  |
| OSR61181 (4 x 300 tests)   |  | OSR6119 (4 x 310 tests)<br>OSR6219 (4 x 930 tests)                        |  |
| OSR61181 (4 x 355 tests)   |  | OSR6119 (4 x 393 tests)<br>OSR6219 (4 x 1190 tests)                       |  |
| DR0070-1   |  | N/A   |  |
| No specific recommendation   |  | No specific recommendation  |  |
| <b>Diazonium Salt, DPD</b>   |  | <b>Glutamyl-carboxy-p-nitroanilide</b>                                    |  |
| <b>End</b>   |  | <b>Rate</b>   |  |
| <b>540 nm</b>  |  | <b>410 nm</b>   |  |
| <b>0, 12/0, 10</b>   |  | <b>14, 23 (AU400/AU640)<br/>16, 23 (AU480/AU680/AU2700/AU5400/AU5800)</b> |  |
| <b>Liquid</b>  |  | <b>Liquid</b>   |  |
| <b>30 days</b>   |  | <b>30 days</b>  |  |
| <b>+2 to +8°C</b>  |  | <b>+2 to +8°C</b>   |  |
| <b>21 days</b>   |  | <b>N/A</b>  |  |
| <b>Heparin</b>   |  | <b>EDTA</b>   |  |
| <b>R1 = 150 µL, R2 = 30 µL</b>   |  | <b>R1 = 75 µL, R2 = 75 µL</b>   |  |
| <b>R1 = 125 µL, R2 = 25 µL</b>   |  | <b>R1 = 50 µL, R2 = 50 µL</b>   |  |
| <b>R1 = 125 µL, R2 = 25 µL</b>   |  | <b>Serum/Plasma: R1 = 39 µL, R2 = 39 µL</b>                               |  |
| <b>Serum</b>   |  | <b>Serum/Plasma</b>   |  |
| Serum <b>6 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                                |  | Serum/Plasma <b>6 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>            |  |
| Serum <b>5 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                                |  | Serum/Plasma <b>4 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>            |  |
| Serum <b>5 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                                |  | Serum/Plasma <b>3.1 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>          |  |
| <b>SI Units</b>  |  | <b>SI Units</b>   |  |
| Serum <b>0.05-10 mg/dL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                       | Serum <b>0.9-171 µmol/L</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                      | Serum/Plasma <b>3-1200 U/L</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>      | Serum/Plasma <b>0.05-20 µkat/L</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>   |
| Serum <b>0.0-0.2 mg/dL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                       | Serum <b>0-3.42 µmol/L</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                       | Serum/Plasma <b>3-64 U/L</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>        | Serum/Plasma <b>0.15-1.07 µkat/L</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b> |
| <b>&lt; 8% CV or SD ≤ 0.21 mg/dL<sup>1</sup></b><br>Urine <b>N/A</b><br>CSF <b>N/A</b> | <b>&lt; 8% CV or SD ≤ 3.6 µmol/L<sup>1</sup></b><br>Urine <b>N/A</b><br>CSF <b>N/A</b> | Serum/Plasma <b>&lt; 10% CV</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>     | Serum/Plasma <b>&lt; 10% CV</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>      |
| <sup>1</sup> Use the greater number.   |  |   |  |

**GENERAL CHEMISTRY**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| Glucose   |   | HDL Cholesterol                                       |  |
|---|---|---|--|
| GLU   |   | HDL-C   |  |
| OSR6121 (4 x 500 tests)<br>OSR6221 (4 x 1050 tests)   |   | OSR6195 (4 x 150 tests)<br>OSR6295 (4 x 250 tests)    |  |
| OSR6121 (4 x 610 tests)<br>OSR6221 (4 x 1300 tests)<br>OSR6621 (information forthcoming) <sup>†</sup> |   | OSR6195 (4 x 150 tests)<br>OSR6295 (4 x 250 tests)    |  |
| OSR6121 (4 x 810 tests)<br>OSR6221 (4 x 1600 tests)   |   | OSR6195 (4 x 170 tests)<br>OSR6295 (4 x 285 tests)    |  |
| Serum/Plasma: DR0070-2 Urine: DR0090  |   | OCC0023   |  |
| Serum/Plasma: No specific recommendation<br>Urine: No specific recommendation                         |   | No specific recommendation                            |  |
| Hexokinase-UV/NAD   |   | Accelerator Selective Detergent                       |  |
| End   |   | End   |  |
| 340 nm  |   | 600 nm  |  |
| 0, 27/0, 10   |   | 0, 27/0, 10   |  |
| Liquid  |   | Liquid  |  |
| 30 days   |   | 30 days   |  |
| +2 to +8°C  |   | +2 to +8°C  |  |
| 30 days   |   | 7 days  |  |
| Heparin, EDTA, Sodium Fluoride  |   | Heparin, EDTA   |  |
| R1 = 50 µL, R2 = 25 µL  |   | R1 = 200 µL, R2 = 66 µL                               |  |
| Serum: R1 = 40 µL, R2 = 20 µL<br>Urine: R1 = 50 µL, R2 = 25 µL  |   | R1 = 200 µL, R2 = 66 µL                               |  |
| R1 = 30 µL, R2 = 15 µL  |   | R1 = 160 µL, R2 = 53 µL                               |  |
| Serum/Plasma/Urine/CSF  |   | Serum/Plasma  |  |
| Serum/Plasma: 2 µL<br>Urine: 3 µL<br>CSF: 2 µL  |   | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A          |  |
| Serum/Plasma: 1.6 µL<br>Urine: 3 µL<br>CSF: 1.6 µL  |   | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A          |  |
| Serum/Plasma: 1.2 µL<br>Urine: 1.8 µL<br>CSF: 1.2 µL  |   | Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A        |  |
| SI Units  |   | SI Units  |  |
| Serum/Plasma: 10-800 mg/dL<br>Urine: 10-700 mg/dL<br>CSF: 10-800 mg/dL                                | Serum/Plasma: 0.6-44.4 mmol/L<br>Urine: 0.6-39 mmol/L<br>CSF: 0.6-44.4 mmol/L | Serum/Plasma: 2.5-200 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.07-5.17 mmol/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: 70-105 mg/dL<br>Urine: N/A<br>CSF: 40-70 mg/dL  | Serum/Plasma: Adults: 3.9-5.8 mmol/L<br>Urine: N/A<br>CSF: 2.2-3.9 mmol/L     | Serum/Plasma: 23-92 mg/dL<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: 0.59-2.38 mmol/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: < 3% CV<br>Urine: 3%<br>CSF: 3%   | Serum/Plasma: < 3% CV<br>Urine: N/A<br>CSF: N/A                               | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A       | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A          |
| <sup>†</sup> AU2700/AU5400 only   |   |   |  |

**GENERAL CHEMISTRY**

|                                |
|--------------------------------|
| Abbreviation                   |
| Kit: AU400/AUG40               |
| Kit: AU480/AUG80/AU2700/AU5400 |
| Kit: AU5800                    |
| Calibrator Part Number         |
| Control Name (Part Number)     |

|                       |
|-----------------------|
| Measurement Principle |
| Reaction Type         |
| Primary Wavelength    |
| Measuring Points      |

|                           |
|---------------------------|
| Liquid or Lyophilized     |
| Onboard Stability         |
| Storage Temperature       |
| Calibration Frequency     |
| Compatible Anticoagulants |
| Reagent Volume            |
| AU400/AUG40               |
| AU480/AUG80/AU2700/AU5400 |
| AU5800                    |

|   |
|---|
| Sample Type                             |
| Sample Size (AU400/AUG40)               |
| Sample Size (AU480/AUG80/AU2700/AU5400) |
| Sample Size (AU5800)                    |

|                         |
|-------------------------|
| Analytical Range        |
| Reference Interval      |
| Precision Specification |
| Comment(s)              |

| Iron   |   | LDL Cholesterol                                    |  |
|--|---|--|--|
| IRON   |   | LDL-C  |  |
| OSR6186 (4 x 300 tests)<br>OSR6286 (4 x 595 tests) |   | OSR6196 (4 x 150 tests)<br>OSR6296 (4 x 250 tests) |  |
| OSR6186 (4 x 500 tests)<br>OSR6286 (4 x 970 tests) |   | OSR6196 (4 x 150 tests)<br>OSR6296 (4 x 250 tests) |  |
| OSR6186 (4 x 500 tests)<br>OSR6286 (4 x 937 tests) |   | OSR6196 (4 x 170 tests)<br>OSR6296 (4 x 290 tests) |  |
| DR0070-1   |   | ODC0024  |  |
| No specific recommendation                         |   | No specific recommendation                         |  |
| TPTZ   |   | Liquid Selective Detergent                         |  |
| End  |   | End  |  |
| 600 nm   |   | 540 nm   |  |
| 0, 12/0, 10  |   | 0, 27/0, 10  |  |
| Liquid   |   | Liquid   |  |
| 60 days  |   | 30 days  |  |
| +2 to +8°C   |   | +2 to +8°C   |  |
| 30 days  |   | 7 days   |  |
| Heparin  |   | Heparin, EDTA                                      |  |
| R1 = 50 µL, R2 = 50 µL                             |   | R1 = 200 µL, R2 = 66 µL                            |  |
| R1 = 30 µL, R2 = 30 µL                             |   | R1 = 200 µL, R2 = 66 µL                            |  |
| R1 = 30 µL, R2 = 30 µL                             |   | R1 = 160 µL, R2 = 53 µL                            |  |
| Serum/Plasma                                       |   | Serum/Plasma                                       |  |
| Serum/Plasma 20 µL<br>Urine N/A<br>CSF N/A         | Serum/Plasma 2 µL<br>Urine N/A<br>CSF N/A             | Serum/Plasma 2 µL<br>Urine N/A<br>CSF N/A          | Serum/Plasma 2 µL<br>Urine N/A<br>CSF N/A            |
| Serum/Plasma 12 µL<br>Urine N/A<br>CSF N/A         | Serum/Plasma 12 µL<br>Urine N/A<br>CSF N/A            | Serum/Plasma 2 µL<br>Urine N/A<br>CSF N/A          | Serum/Plasma 2 µL<br>Urine N/A<br>CSF N/A            |
| Serum/Plasma 12 µL<br>Urine N/A<br>CSF N/A         | Serum/Plasma 12 µL<br>Urine N/A<br>CSF N/A            | Serum/Plasma 1.6 µL<br>Urine N/A<br>CSF N/A        | Serum/Plasma 1.6 µL<br>Urine N/A<br>CSF N/A          |
|  | <b>SI Units</b>                                       |  | <b>SI Units</b>                                      |
| Serum/Plasma 10-1000 µg/dL<br>Urine N/A<br>CSF N/A | Serum/Plasma 1.8-178.6 µmol/L<br>Urine N/A<br>CSF N/A | Serum/Plasma 7.0-400 mg/dL<br>Urine N/A<br>CSF N/A | Serum/Plasma 0.2-10.3 mmol/L<br>Urine N/A<br>CSF N/A |
| Serum/Plasma 50-212 µg/dL<br>Urine N/A<br>CSF N/A  | Serum/Plasma 8.9-37.9 µmol/L<br>Urine N/A<br>CSF N/A  | Serum/Plasma 75-193 mg/dL<br>Urine N/A<br>CSF N/A  | Serum/Plasma 1.9-5.0 mmol/L<br>Urine N/A<br>CSF N/A  |
| Serum/Plasma < 5% CV<br>Urine N/A<br>CSF N/A       | Serum/Plasma < 5% CV<br>Urine N/A<br>CSF N/A          | Serum/Plasma < 5% CV<br>Urine N/A<br>CSF N/A       | Serum/Plasma < 5% CV<br>Urine N/A<br>CSF N/A         |

**GENERAL CHEMISTRY**

**Lactate Dehydrogenase (IFCC)**

**Lipase**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| Lactate Dehydrogenase (IFCC)  |   | Lipase  |  |
|---|---|---|--|
| LDH   |   | LIP   |  |
| OSR6127 (4 x 500 tests)<br>OSR6227 (4 x 625 tests)  |   | OSR6130 (4 x 45 tests)<br>OSR6230 (4 x 150 tests) |  |
| OSR6127 (4 x 640 tests)<br>OSR6227 (4 x 800 tests)  |   | OSR6130 (4 x 50 tests)<br>OSR6230 (4 x 180 tests) |  |
| OSR6127 (4 x 830 tests)<br>OSR6227 (4 x 1010 tests)   |   | OSR6130 (4 x 50 tests)<br>OSR6230 (4 x 230 tests) |  |
| N/A   |   | Included  |  |
| No specific recommendation  |   | No specific recommendation                        |  |
| Lactate-Pyruvate (NAD)  |   | Enzymatic, Colorimetric                           |  |
| Rate  |   | Rate  |  |
| 340 nm  |   | 540 nm  |  |
| 14, 21 (AU400/AU640)<br>15, 23 (AU480/AU680/AU2700/AU5400/AU5800)                                     |   | 17, 27  |  |
| Liquid  |   | Lyophilized                                       |  |
| 30 days<br>AU5800: 14 days  |   | 21 days   |  |
| +2 to +6°C  |   | +2 to +8°C  |  |
| N/A   |   | 7 Days  |  |
| Heparin   |   | Heparin   |  |
| R1 = 80 µL, R2 = 40 µL  |   | R1 = 180 µL, R2 = 60 µL <sup>1</sup>              |  |
| R1 = 62 µL, R2 = 31 µL  |   | R1 = 144 µL, R2 = 48 µL <sup>1</sup>              |  |
| R1 = 48 µL, R2 = 24 µL  |   | R1 = 108 µL, R2 = 36 µL <sup>1</sup>              |  |
| Serum/Plasma  |   | Serum/Plasma                                      |  |
| Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A  |   | Serum/Plasma 2 µL<br>Urine: N/A<br>CSF: N/A       |  |
| Serum/Plasma: 2.3 µL<br>Urine: N/A<br>CSF: N/A  |   | Serum/Plasma 1.6 µL<br>Urine: N/A<br>CSF: N/A     |  |
| Serum/Plasma: 1.8 µL<br>Urine: N/A<br>CSF: N/A  |   | Serum/Plasma: 1.2 µL<br>Urine: N/A<br>CSF: N/A    |  |
| SI Units  |   | SI Units  |  |
| Serum/Plasma: 25-1200 U/L<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: 0.4-20.0 µkat/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 3-600 U/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.05-10 µkat/L<br>Urine: N/A<br>CSF: N/A   |
| Serum/Plasma: 140-271 U/L<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: 2.3-4.5 µkat/L<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: 11-82 U/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.18-1.37 µkat/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A        | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A         |
| <small><sup>1</sup>Dissolve contents of 1 vial of R2 with the contents of 1 vial of R1 buffer</small> |   |   |  |

**GENERAL CHEMISTRY**

|   |
|---|
| <b>Abbreviation</b>                     |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| <b>Measurement Principle</b>            |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| <b>Liquid or Lyophilized</b>            |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| <b>Sample Type</b>                      |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| <b>Analytical Range</b>                 |
| <b>Reference Interval</b>               |
| <b>Precision Specification</b>          |
| <b>Comment(s)</b>                       |

| Magnesium   |  | Phosphorus (Inorganic)  |   |
|---|--|---|---|
| MG  |  | PHOS  |   |
| OSR6189 (4 x 200 tests)   |  | OSR6122 (4 x 500 tests)<br>OSR6222 (4 x 1330 tests)                           |   |
| OSR6189 (4 x 250 tests)   |  | OSR6122 (4 x 500 tests)<br>OSR6222 (4 x 1570 tests)                           |   |
| OSR6189 (4 x 250 tests)   |  | OSR6122 (4 x 790 tests)<br>OSR6222 (4 x 2100 tests)                           |   |
| Serum/Plasma: DR0070-2, Urine: DR0090   |  | Serum/Plasma: DR0070-2, Urine: DR0090   |   |
| Serum/Plasma: No specific recommendation<br>Urine: No specific recommendation |  | Serum/Plasma: No specific recommendation<br>Urine: No specific recommendation |   |
| Xyldyl Blue   |  | Phosphomolybdate Complex  |   |
| End   |  | End   |   |
| 520 nm  |  | 340 nm  |   |
| 0, 27 (AU400/AU640)<br>0, 10 (AU480/AU680/AU2700/AU5400/AU5800)               |  | 0, 27/0, 10   |   |
| Liquid  |  | Liquid  |   |
| 7 days  |  | 30 days   |   |
| +2 to +8°C  |  | +2 to +8°C  |   |
| 7 Days  |  | 30 Days   |   |
| Heparin   |  | N/A   |   |
| R1 = 200 µL   |  | R1 = 30 µL, R2 = 30 µL  |   |
| Serum: R1 = 160 µL<br>Urine: R1 = 200 µL                                      |  | Serum: R1 = 25 µL, R2 = 25 µL<br>Urine: R1 = 30 µL, R2 = 30 µL                |   |
| Serum: R1 = 160 µL<br>Urine: R1 = 150 µL                                      |  | Serum: R1 = 19 µL, R2 = 19 µL<br>Urine: R1 = 20 µL, R2 = 20 µL                |   |
| Serum/Plasma  |  | Serum/Urine   |   |
| Serum/Plasma: 2 µL<br>Urine: 2 µL<br>CSF: N/A                                 |  | Serum/Plasma: 3 µL<br>Urine: 3 µL of a 1/10<br>CSF: N/A                       |   |
| Serum/Plasma: 1.6 µL<br>Urine: 2 µL<br>CSF: N/A                               |  | Serum/Plasma: 2.5 µL<br>Urine: 3 µL of a 1/10<br>CSF: N/A                     |   |
| Serum/Plasma: 1.6 µL<br>Urine: 1.5 µL<br>CSF: N/A                             |  | Serum/Plasma: 1.9 µL<br>Urine: 2 µL of a 1/10<br>CSF: N/A                     |   |
|   | SI Units   |   | SI Units  |
| Serum/Plasma: 0.5-8.0 mg/dL<br>Urine: 0.5-10.0 mg/dL<br>CSF: N/A              | Serum/Plasma: 0.2-3.3 mmol/L<br>Urine: 0.2-4.1 mmol/L<br>CSF: N/A      | Serum/Plasma: 1-20 mg/dL<br>Urine: 10-200 mg/dL<br>CSF: N/A                   | Serum/Plasma: 0.3-6.5 mmol/L<br>Urine: 3.2-64.5 mmol/L<br>CSF: N/A    |
| Serum/Plasma: 1.9-2.7 mg/dL<br>Urine: 24-255 mg/24 hrs<br>CSF: N/A            | Serum/Plasma: 0.78-1.11 mmol/L<br>Urine: 2-21.2 mEq/24 hrs<br>CSF: N/A | Serum/Plasma: 3.7-7.2 mg/dL<br>Urine: 0.3-1.3 g/24 hr<br>CSF: N/A             | Serum/Plasma: 1.2-2.3 mmol/L<br>Urine: 9.7-42 mmol/24 hrs<br>CSF: N/A |
| Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A                               | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A                        | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A                               | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A                       |
| *Dissolve contents of 1 vial of R1 with the contents of 1 vial of R2 buffer.  |  |   |   |

**GENERAL CHEMISTRY**

|  | Total Bilirubin  |   | Total Protein   |   |
|--|--|---|---|---|
|  | TBIL <sup>1</sup>  |   | TP  |   |
| Abbreviation                                   |  |   |   |   |
| Kit: AU480/AU640                               | OSR6112 (4 x 500 tests)<br>OSR6212 (4 x 1300 tests)  |   | OSR6132 (4 x 500 tests)<br>OSR6232 (4 x 980 tests)  |   |
| Kit: AU480/AU680/AU2700/<br>AU5400             | OSR6112 (4 x 590 tests)<br>OSR6212 (4 x 1530 tests)<br>OSR6512 (4 x 3465 tests) <sup>2</sup>   |   | OSR6132 (4 x 750 tests)<br>OSR6232 (4 x 1440 tests)<br>OSR6632 (information forthcoming) <sup>3</sup> |   |
| Kit: AU5800                                    | OSR6112 (4 x 750 tests)<br>OSR6212 (4 x 2020 tests)  |   | OSR6132 (4 x 980 tests)<br>OSR6232 (4 x 1980 tests)   |   |
| Calibrator Part Number                         | DR0070-1   |   | DR0070-2  |   |
| Control Name (Part Number)                     | No specific recommendation   |   | No specific recommendation  |   |
| Measurement Principle                          | Diazonium Salt, DPD  |   | Biuret, Blanked   |   |
| Reaction Type                                  | End  |   | End   |   |
| Primary Wavelength                             | 570 nm   |   | 540 nm  |   |
| Measuring Points                               | 0, 10  |   | 0, 27/0, 10   |   |
| Liquid or Lyophilized                          | Liquid   |   | Liquid  |   |
| Onboard Stability                              | 90 days  |   | 30 days   |   |
| Storage Temperature                            | 2 to 8°C   |   | +2 to +25°C   |   |
| Calibration Frequency                          | 30 Days  |   | As needed   |   |
| Compatible Anticoagulants                      | Heparin, EDTA  |   | Heparin   |   |
| Reagent Volume                                 |  |   |   |   |
| AU400/AU640                                    | R1 = 30 µL   |   | R1 = 50 µL, R2 = 50 µL  |   |
| AU480/AU680/AU2700/<br>AU5400                  | R1 = 26 µL   |   | R1 = 33 µL, R2 = 33 µL  |   |
| AU5800   | R1 = 20 µL   |   | R1 = 25 µL, R2 = 25 µL  |   |
| Sample Type                                    | Serum/Plasma   |   | Serum/Plasma  |   |
| Sample Size<br>(AU400/AU640)                   | Serum/Plasma: 6 µL<br>Urine: N/A<br>CSF: N/A   |   | Serum/Plasma 3 µL (AU400)/6 µL<br>Urine: N/A<br>CSF: N/A  |   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) | Serum/Plasma: 6 µL<br>Urine: N/A<br>CSF: N/A   |   | Serum/Plasma 5 µL<br>Urine: N/A<br>CSF: N/A   |   |
| Sample Size<br>(AU5800)                        | Serum/Plasma: 3.8 µL<br>Urine: N/A<br>CSF: N/A   |   | Serum/Plasma 3 µL<br>Urine: N/A<br>CSF: N/A   |   |
| Analytical Range                               | Serum/Plasma: 0-30 mg/dL<br>Urine: N/A<br>CSF: N/A   | SI Units<br>Serum/Plasma: 0-513 µmol/L<br>Urine: N/A<br>CSF: N/A          | Serum/Plasma 3-12 g/dL<br>Urine: N/A<br>CSF: N/A  | SI Units<br>Serum/Plasma 30-120 g/L<br>Urine: N/A<br>CSF: N/A |
| Reference Interval                             | Serum/Plasma: 0.3-1.0 mg/dL<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: 5.1-17.1 µmol/L<br>Urine: N/A<br>CSF: N/A                   | Serum/Plasma 6.4-8.9 g/dL<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma 6.4-8.9 g/L<br>Urine: N/A<br>CSF: N/A            |
| Precision Specification                        | Serum/Plasma: < 5% CV or SD ≤ 0.10 mg/dL <sup>2</sup><br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: < 5% CV ≤ 1.7 µmol/L <sup>2</sup><br>Urine: N/A<br>CSF: N/A | Serum/Plasma < 4% CV<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma < 4% CV<br>Urine: N/A<br>CSF: N/A                |
| Comment(s)                                     | <sup>1</sup> Both a color test (DPD) and blank test (BL-B) need to be run<br><sup>2</sup> Use the greater number.<br><sup>3</sup> AU2700/AU5400 only |   | AU2700/AU5400 only  |   |



**GENERAL CHEMISTRY**

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|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| Triglyceride   |  | Unsaturated Iron Binding Capacity                  |  |
|--|--|--|--|
| Triglyceride   |  | UIBC   |  |
| OSR80118 (4 x 200 tests)<br>OSR81118 (4 x 500 tests)                                       |  | OSR61205 (4 x 170 tests)                           |  |
| OSR60118 (4 x 290 tests)<br>OSR61118 (4 x 735 tests)<br>OSR66118 (information forthcoming) |  | OSR61205 (4 x 290 tests)                           |  |
| OSR60118 (4 x 280 tests)<br>OSR61118 (4 x 750 tests)                                       |  | OSR61205 (4 x 290 tests)                           |  |
| DR0070-2   |  | DR0070-2   |  |
| No specific recommendation   |  | No specific recommendation                         |  |
| Glycerol Phosphate Oxidase   |  | Nitroso-PSAP                                       |  |
| End  |  | End  |  |
| 660 nm   |  | 880 nm   |  |
| 0, 27/0, 10  |  | 0, 27/0, 10  |  |
| Liquid   |  | Liquid   |  |
| 30 days  |  | 30 days  |  |
| 2 - 8°C  |  | +2 to +8°C   |  |
| 30 days  |  | 14 days  |  |
| Heparin, EDTA  |  | Heparin  |  |
| R1 = 100 µL, R2 = 25 µL  |  | R1 = 150 µL, R2 = 30 µL <sup>1</sup>               |  |
| R1 = 66 µL, R2 = 17 µL   |  | R1 = 120 µL, R2 = 24 µL <sup>1</sup>               |  |
| R1 = 66 µL, R2 = 17 µL   |  | R1 = 120 µL, R2 = 24 µL <sup>1</sup>               |  |
| Serum/Plasma   |  | Serum/Plasma                                       |  |
| Serum/Plasma 2 µL<br>Urine N/A<br>CSF N/A  |  | Serum/Plasma 10 µL<br>Urine N/A<br>CSF N/A         |  |
| Serum/Plasma 1.6 µL<br>Urine N/A<br>CSF N/A  |  | Serum/Plasma 8 µL<br>Urine N/A<br>CSF N/A          |  |
| Serum/Plasma 1.6 µL<br>Urine N/A<br>CSF N/A  |  | Serum/Plasma 8 µL<br>Urine N/A<br>CSF N/A          |  |
| Serum/Plasma 10-1000 mg/dL<br>Urine N/A<br>CSF N/A   | SI Units<br>Serum/Plasma 0.1-11.3 mmol/L<br>Urine N/A<br>CSF N/A | Serum/Plasma 55-450 µg/dL<br>Urine N/A<br>CSF N/A  | SI Units<br>Serum/Plasma 9.8-80.4 µmol/L<br>Urine N/A<br>CSF N/A |
| Serum/Plasma < 150 mg/dL<br>Urine N/A<br>CSF N/A   | Serum/Plasma < 1.7 mmol/L<br>Urine N/A<br>CSF N/A                | Serum/Plasma 155-355 µg/dL<br>Urine N/A<br>CSF N/A | Serum/Plasma 27.7-63.4 µmol/L<br>Urine N/A<br>CSF N/A            |
| Serum/Plasma < 5% CV<br>Urine N/A<br>CSF N/A   | Serum/Plasma < 5% CV<br>Urine N/A<br>CSF N/A                     | Serum/Plasma < 10% CV<br>Urine N/A<br>CSF N/A      | Serum/Plasma < 10% CV<br>Urine N/A<br>CSF N/A                    |
| † AU2700/AU5400 only   |  | † Transfer R1a into R1 and R2a into R2             |  |

**GENERAL CHEMISTRY**

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|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| Urea Nitrogen  |  | Uric Acid  |  |
|--|--|--|--|
| BUN  |  | UA   |  |
| OSR6134 (4 x 500 tests)<br>OSR6234 (4 x 960 tests)   |  | OSR6098 (4 x 200 tests)<br>OSR6198 (4 x 500 tests)<br>OSR6298 (4 x 705 tests)  |  |
| OSR6134 (4 x 620 tests)<br>OSR6234 (4 x 1230 tests)<br>OSR6634 (4 x 4115 tests) <sup>†</sup> |  | OSR6098 (4 x 250 tests)<br>OSR6198 (4 x 600 tests)<br>OSR6298 (4 x 850 tests)<br>OSR6698 (4 x 2265 tests) <sup>†</sup> |  |
| OSR6134 (4 x 610 tests)<br>OSR6234 (4 x 1230 tests)  |  | OSR6098 (4 x 320 tests)<br>OSR6198 (4 x 800 tests)<br>OSR6298 (4 x 1140 tests)   |  |
| Serum/Plasma: DR0070-2, Urine: DR0090  |  | Serum/Plasma: DR0070-2, Urine: DR0090  |  |
| No specific recommendation   |  | Serum/Plasma: No specific recommendation<br>Urine: No specific recommendation  |  |
| Urease GLDH  |  | Uricase  |  |
| Rate   |  | End  |  |
| 340 nm   |  | 660 nm   |  |
| 12, 18   |  | 0, 27/0, 10  |  |
| Liquid   |  | Liquid   |  |
| 30 days  |  | 30 days  |  |
| +2 to +8°C   |  | +2 to +8°C   |  |
| 14 days; AU5800: 7 days  |  | 30 days  |  |
| EDTA, Lithium Heparin, Sodium Heparin  |  | Heparin  |  |
| R1 = 50 µL, R2 = 50 µL   |  | R1 = 60 µL, R2 = 25 µL   |  |
| R1 = 40 µL, R2 = 40 µL   |  | R1 = 48 µL, R2 = 20 µL   |  |
| R1 = 40 µL, R2 = 40 µL   |  | Serum/Plasma: R1 = 36 µL, R2 = 15 µL<br>Urine: R1 = 48 µL, R2 = 20 µL  |  |
| Serum/Plasma/Urine   |  | Serum/Plasma/Urine   |  |
| Serum/Plasma: 2.5 µL<br>Urine: 3 µL of a 1/10<br>CSF: N/A                                    |  | Serum/Plasma: 7 µL<br>Urine: 2 µL<br>CSF: N/A  |  |
| Serum/Plasma: 2 µL<br>Urine: 2 µL of a 1/10<br>CSF: N/A                                      |  | Serum/Plasma: 5.6 µL<br>Urine: 1.6 µL<br>CSF: N/A  |  |
| Serum/Plasma: 2 µL<br>Urine: 2 µL of a 1/10<br>CSF: N/A                                      |  | Serum/Plasma: 4.2 µL<br>Urine: 1.6 µL<br>CSF: N/A  |  |
| SI Units   |  | SI Units   |  |
| Serum/Plasma: 2-130 mg/dL<br>Urine: 20-1300 mg/dL<br>CSF: N/A                                |  | Serum/Plasma: 1.5-30 mg/dL<br>Urine: 1-100 mg/dL<br>CSF: N/A   |  |
| Serum/Plasma: 0.7-46.4 mmol/L<br>Urine: 7-464 mmol/L<br>CSF: N/A                             |  | Serum/Plasma: 89-1785 µmol/L<br>Urine: 60-5950 µmol/24 hrs<br>CSF: N/A   |  |
| Serum/Plasma: 7-25 mg/dL<br>Urine: 7-16 g/24 hrs<br>CSF: N/A                                 |  | Serum/Plasma: 2.3-7.6 mg/dL<br>Urine: 250-800 mg/24 hrs<br>CSF: N/A  |  |
| Serum/Plasma: 2.5-8.9 mmol/L<br>Urine: 250-571 mmol/24 hrs<br>CSF: N/A                       |  | Serum/Plasma: 137-452 µmol/L<br>Urine: 1488-4760 µmol/24 hrs<br>CSF: N/A   |  |
| Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A  |  | Serum/Plasma: < 3% CV<br>Urine: < 5% CV<br>CSF: N/A  |  |
| Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A  |  | Serum/Plasma: < 3% CV<br>Urine: < 5% CV<br>CSF: N/A  |  |
| * AU2700/AU5400 only   |  | * AU2700/AU5400 only   |  |

|                                    |
|------------------------------------|
| Abbreviation                       |
| Kit: AU400/AU640                   |
| Kit: AU480/AU680/AU2700/<br>AU5400 |
| Kit: AU5800                        |
| Calibrator Part Number             |
| Control Name (Part Number)         |

|                       |
|-----------------------|
| Measurement Principle |
| Reaction Type         |
| Primary Wavelength    |
| Measuring Points      |

|                               |
|-------------------------------|
| Liquid or Lyophilized         |
| Onboard Stability             |
| Storage Temperature           |
| Calibration Frequency         |
| Compatible Anticoagulants     |
| Reagent Volume                |
| AU400/AU640                   |
| AU480/AU680/AU2700/<br>AU5400 |
| AU5800                        |

|  |
|--|
| Sample Type                                    |
| Sample Size<br>(AU400/AU640)                   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
| Sample Size<br>(AU5800)                        |

|                         |
|-------------------------|
| Analytical Range        |
| Reference Interval      |
| Precision Specification |
| Comment(s)              |

| GENERAL CHEMISTRY   |  |
|---|--|
| Urinary/CSF Protein   |  |
| UCSFP   |  |
| OSR6170 (4 x 100 tests)<br>OSR6270 (4 x 270 tests)  |  |
| OSR6170 (4 x 125 tests)<br>OSR6270 (4 x 330 tests)  |  |
| OSR6170 (4 x 185 tests)<br>OSR6270 (4 x 425 tests)  |  |
| DR0090  |  |
| No specific recommendation  |  |
| Pyrogallol Red  |  |
| End   |  |
| 600 nm  |  |
| 0, 10   |  |
| Liquid  |  |
| 90 days   |  |
| +2 to +8°C  |  |
| 90 days   |  |
| N/A   |  |
| R1 = 190 µL   |  |
| R1 = 152 µL   |  |
| R1 = 114 µL   |  |
| Urine/CSF   |  |
| Serum/Plasma: N/A<br>Urine: 2 µL<br>CSF: 2 µL   |  |
| Serum/Plasma: N/A<br>Urine: 1.6 µL<br>CSF: 1.6 µL   |  |
| Serum/Plasma: N/A<br>Urine: 1.2 µL<br>CSF: 1.2 µL   |  |
| SI Units  |  |
| Serum/Plasma: N/A<br>Urine: 4-200 mg/dL<br>CSF: 4-200 mg/dL   | Serum/Plasma: N/A<br>Urine: 0.04-2 g/L<br>CSF: 0.04-2 g/L  |
| Serum/Plasma: N/A<br>Urine: 50-80 mg/24 hrs at rest<br>CSF: Adults: 15-45 mg/dL,<br>Newborns < 1 month: 15-130<br>mg/dL | Serum/Plasma: N/A<br>Urine: 0.05-0.8 g/24 hrs at rest<br>CSF: Adults: 0.15-0.45 g/L<br>Newborns < 1 month: 0.15-1.30 g/L |
| Serum/Plasma: N/A<br>Urine: < 5% CV<br>CSF: < 5% CV   | Serum/Plasma: N/A<br>Urine: < 5% CV<br>CSF: < 5% CV  |

| PROTEINS - SEROLOGY                     |   |  |   |
|---|---|--|---|
| Alpha-1-Acidglycoprotein                |   | Alpha-1-Antitrypsin                            |   |
| AAG                                     |   | AAT  |   |
| Abbreviation                            | AAG   | AAT  |   |
| Kit: AU400/AU640                        | OSR6162 (4 x 100 tests)                       | OSR6163 (4 x 100 tests)                        |   |
| Kit: AU480/AU660/AU2700/AU5400          | OSR6162 (4 x 120 tests)                       | OSR6163 (4 x 120 tests)                        |   |
| Kit: AU5800                             | OSR6162 (4 x 160 tests)                       | OSR6163 (4 x 160 tests)                        |   |
| Calibrator Part Number                  | ODR3023                                       | ODR3023  |   |
| Control Name (Part Number)              | No specific recommendation                    | No specific recommendation                     |   |
| Measurement Principle                   | Immunoturbidimetric                           | Immunoturbidimetric                            |   |
| Reaction Type                           | End   | End  |   |
| Primary Wavelength                      | 660 nm  | 600 nm   |   |
| Measuring Points                        | 0, 27/0, 10                                   | 0, 27/0, 10                                    |   |
| Liquid or Lyophilized                   | Liquid  | Liquid   |   |
| Onboard Stability                       | 90 days                                       | 90 days  |   |
| Storage Temperature                     | +2 to +8°C                                    | +2 to +8°C                                     |   |
| Calibration Frequency                   | 14 days                                       | 90 days  |   |
| Compatible Anticoagulants               | N/A   | N/A  |   |
| Reagent Volume                          |   |  |   |
| AU400/AU640                             | R1 = 200 µL, R2 = 45 µL                       | R1 = 200 µL, R2 = 65 µL                        |   |
| AU480/AU660/AU2700/AU5400               | R1 = 160 µL, R2 = 36 µL                       | R1 = 160 µL, R2 = 52 µL                        |   |
| AU5800                                  | R1 = 120 µL, R2 = 27 µL                       | R1 = 120 µL, R2 = 39 µL                        |   |
| Sample Type                             | Serum   | Serum  |   |
| Sample Size (AU400/AU640)               | Serum: 2 µL<br>Urine: N/A<br>CSF: N/A         | Serum: 2 µL<br>Urine: N/A<br>CSF: N/A          |   |
| Sample Size (AU480/AU660/AU2700/AU5400) | Serum: 1.6 µL<br>Urine: N/A<br>CSF: N/A       | Serum: 1.6 µL<br>Urine: N/A<br>CSF: N/A        |   |
| Sample Size (AU5800)                    | Serum: 1.2 µL<br>Urine: N/A<br>CSF: N/A       | Serum: 1.2 µL<br>Urine: N/A<br>CSF: N/A        |   |
| Analytical Range                        | Serum: 20-200 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 0.2-2 g/L<br>Urine: N/A<br>CSF: N/A     | Serum: 30-500 mg/dL<br>Urine: N/A<br>CSF: N/A |
| Reference Interval                      | Serum: 44-113 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 0.44-1.13 g/L<br>Urine: N/A<br>CSF: N/A | Serum: 0.3-5 g/L<br>Urine: N/A<br>CSF: N/A    |
| Precision Specification                 | Serum: < 10% CV<br>Urine: N/A<br>CSF: N/A     | Serum: < 10% CV<br>Urine: N/A<br>CSF: N/A      | Serum: < 10% CV<br>Urine: N/A<br>CSF: N/A     |
| Comment(s)                              |   |  |   |

**PROTEINS - SEROLOGY**

|                                       |
|---------------------------------------|
| <b>Abbreviation</b>                   |
| <b>Kit: AU400/AU640</b>               |
| <b>Kit: AU480/AU680/AU2700/AU5400</b> |
| <b>Kit: AU5800</b>                    |
| <b>Calibrator Part Number</b>         |
| <b>Control Name (Part Number)</b>     |

|                              |
|------------------------------|
| <b>Measurement Principle</b> |
| <b>Reaction Type</b>         |
| <b>Primary Wavelength</b>    |
| <b>Measuring Points</b>      |

|                              |
|------------------------------|
| <b>Liquid or Lyophilized</b> |
| <b>Onboard Stability</b>     |

|                                  |
|----------------------------------|
| <b>Storage Temperature</b>       |
| <b>Calibration Frequency</b>     |
| <b>Compatible Anticoagulants</b> |
| <b>Reagent Volume</b>            |
| <b>AU400/AU640</b>               |
| <b>AU480/AU680/AU2700/AU5400</b> |
| <b>AU5800</b>                    |

|  |
|--|
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |

|                                |
|--------------------------------|
| <b>Analytical Range</b>        |
| <b>Reference Interval</b>      |
| <b>Precision Specification</b> |
| <b>Comment(s)</b>              |

| <b>Anti-Streptolysin O</b>   |  | <b>Apolipoprotein A1</b>                    |   |
|--|--|---|---|
| <b>ASO</b>   |  | <b>APO A1</b>                               |   |
| OSR6194 (4 x 280 tests)  |  | OSR6142 (4 x 280 tests)                     |   |
| OSR6194<br>AU480/AU680 (4 x 280 tests)<br>AU2700/AU5400 (4 x 330 tests)        |  | OSR6142 (4 x 280 tests)                     |   |
| OSR6194 (4 x 430 tests)  |  | OSR6142 (4 x 330 tests)                     |   |
| ODR3021  |  | ODR3022                                     |   |
| No specific recommendation   |  | No specific recommendation                  |   |
| <b>Latex Particle Immunoturbidimetric</b>                                      |  | <b>Immunoturbidimetric</b>                  |   |
| <b>Fixed</b>   |  | <b>End</b>                                  |   |
| <b>600 nm</b>  |  | <b>540 nm</b>                               |   |
| <b>12, 16</b>  |  | <b>0, 27/0, 10</b>                          |   |
| <b>Liquid</b>  |  | <b>Liquid</b>                               |   |
| <b>60 days</b>   |  | <b>90 days</b>                              |   |
| <b>+2 to +8°C</b>  |  | <b>+2 to +8°C</b>                           |   |
| <b>7 Days</b>  |  | <b>90 Days</b>                              |   |
| <b>N/A</b>   |  | <b>N/A</b>                                  |   |
| <b>R1 = 182 µL, R2 = 25 µL<sup>1</sup></b>                                     |  | <b>R1 = 65 µL, R2 = 65 µL</b>               |   |
| <b>R1 = 182 µL, R2 = 25 µL<sup>1</sup></b>                                     |  | <b>R1 = 52 µL, R2 = 52 µL</b>               |   |
| <b>R1 = 109 µL, R2 = 15 µL<sup>1</sup></b>                                     |  | <b>R1 = 36 µL, R2 = 39 µL</b>               |   |
| <b>Serum</b>   |  | <b>Serum</b>                                |   |
| Serum 2 µL<br>Urine N/A<br>CSF N/A   |  | Serum 2 µL<br>Urine N/A<br>CSF N/A          |   |
| Serum 2 µL<br>Urine N/A<br>CSF N/A   |  | Serum 1.6 µL<br>Urine N/A<br>CSF N/A        |   |
| Serum 1.2 µL<br>Urine N/A<br>CSF N/A   |  | Serum 1.2 µL<br>Urine N/A<br>CSF N/A        |   |
|  | <b>SI Units</b>                              |   | <b>SI Units</b>                           |
| Serum 100-1000 IU/mL<br>Urine N/A<br>CSF N/A                                   | Serum 100-1000 IU/mL<br>Urine N/A<br>CSF N/A | Serum 40-250 mg/dL<br>Urine N/A<br>CSF N/A  | Serum 0.4-2.5 g/L<br>Urine N/A<br>CSF N/A |
| Serum 0-250 IU/mL<br>Urine N/A<br>CSF N/A                                      | Serum 0-250 IU/mL<br>Urine N/A<br>CSF N/A    | Serum 100-200 mg/dL<br>Urine N/A<br>CSF N/A | Serum 1-2 g/L<br>Urine N/A<br>CSF N/A     |
| Serum < 10% CV<br>Urine N/A<br>CSF N/A   | Serum < 10% CV<br>Urine N/A<br>CSF N/A       | Serum < 10% CV<br>Urine N/A<br>CSF N/A      | Serum < 10% CV<br>Urine N/A<br>CSF N/A    |
| Gently mix R2 5-10 times before placing on instrument and reading the results. |  |   |   |

| PROTEINS - SEROLOGY                     |   |  |   |
|---|---|--|---|
| Apolipoprotein B                        |   | Beta-2 Microglobulin                         |   |
| APO B                                   |   | B2M  |   |
| Abbreviation                            |   |  |   |
| Kit: AU400/AU640                        | OSR6143 (4 x 200 tests)                       | OSR6151 (4 x 100 tests)                      |   |
| Kit: AU480/AU680/AU2700/AU5400          | OSR6143 (4 x 250 tests)                       | OSR6151 (4 x 130 tests)                      |   |
| Kit: AU5800                             | OSR6143 (4 x 340 tests)                       | OSR6151 (4 x 150 tests)                      |   |
| Calibrator Part Number                  | ODR3022                                       | ODR3023                                      |   |
| Control Name (Part Number)              | No specific recommendation                    | No specific recommendation                   |   |
| Measurement Principle                   | Immunoturbidimetric                           | Immunoturbidimetric                          |   |
| Reaction Type                           | End   | Fixed  |   |
| Primary Wavelength                      | 340 nm  | 570 nm                                       |   |
| Measuring Points                        | 0, 27/0, 10                                   | 12, 21                                       |   |
| Liquid or Lyophilized                   | Liquid  | Liquid                                       |   |
| Onboard Stability                       | 90 days                                       | 90 days                                      |   |
| Storage Temperature                     | +2 to +8°C                                    | +2 to +8°C                                   |   |
| Calibration Frequency                   | 7 Days  | 90 Days                                      |   |
| Compatible Anticoagulants               | N/A   | N/A  |   |
| Reagent Volume                          |   |  |   |
| AU400/AU640                             | R1 = 65 µL, R2 = 35 µL                        | R1 = 100 µL, R2 = 80 µL                      |   |
| AU480/AU680/AU2700/AU5400               | R1 = 52 µL, R2 = 28 µL                        | R1 = 80 µL, R2 = 64 µL                       |   |
| AU5800                                  | R1 = 39 µL, R2 = 21 µL                        | R1 = 60 µL, R2 = 48 µL                       |   |
| Sample Type                             | Serum   | Serum  |   |
| Sample Size (AU400/AU640)               | Serum: 2 µL<br>Urine: N/A<br>CSF: N/A         | Serum 2 µL<br>Urine N/A<br>CSF N/A           |   |
| Sample Size (AU480/AU680/AU2700/AU5400) | Serum: 1.6 µL<br>Urine: N/A<br>CSF: N/A       | Serum 1.6 µL<br>Urine N/A<br>CSF N/A         |   |
| Sample Size (AU5800)                    | Serum: 1.2 µL<br>Urine: N/A<br>CSF: N/A       | Serum 1.2 µL<br>Urine N/A<br>CSF N/A         |   |
| Analytical Range                        | Serum: 40-200 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 0.4-2.0 g/L<br>Urine: N/A<br>CSF: N/A | Serum: 0.005-0.016 g/L<br>Urine: N/A<br>CSF: N/A    |
| Reference Interval                      | Serum: 50-155 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 0.5-1.6 g/L<br>Urine: N/A<br>CSF: N/A | Serum: 0.0097-0.00184 g/L<br>Urine: N/A<br>CSF: N/A |
| Precision Specification                 | Serum: < 10% CV<br>Urine: N/A<br>CSF: N/A     | Serum: < 10% CV<br>Urine: N/A<br>CSF: N/A    | Serum: < 10% CV<br>Urine: N/A<br>CSF: N/A           |
| Comment(s)                              |   |  |   |

**PROTEINS - SEROLOGY**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| AU400/AU640                                    |
| AU480/AU680/AU2700/AU5400                      |
| AU5800   |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| <b>Ceruloplasmin</b>                                 |   | <b>Complement 3</b>                           |   |
|--|---|---|---|
| <b>CER</b>   |   | <b>C3</b>                                     |   |
| OSR6164 (4 x 100 tests)                              |   | OSR6159 (4 x 200 tests)                       |   |
| OSR6164 (4 x 100 tests)                              |   | OSR6159 (4 x 200 tests)                       |   |
| OSR6164 (4 x 120 tests)                              |   | OSR6159 (4 x 320 tests)                       |   |
| <b>ODR3023</b>                                       |   | <b>ODR3021</b>                                |   |
| No specific recommendation                           |   | No specific recommendation                    |   |
| <b>Immunoturbidimetric</b>                           |   | <b>Immunoturbidimetric</b>                    |   |
| <b>End</b>   |   | <b>End</b>                                    |   |
| <b>340 nm</b>  |   | <b>380 nm</b>                                 |   |
| <b>0, 27/0, 10</b>                                   |   | <b>0, 27/0, 10</b>                            |   |
| <b>Liquid</b>  |   | <b>Liquid</b>                                 |   |
| <b>90 Days</b>                                       |   | <b>90 Days</b>                                |   |
| <b>+2 to +8°C</b>                                    |   | <b>+2 to +8°C</b>                             |   |
| <b>14 Days</b>                                       |   | <b>90 Days</b>                                |   |
| <b>Heparin</b>                                       |   | <b>N/A</b>                                    |   |
| <b>R1 = 180 µL, R2 = 50 µL</b>                       |   | <b>R1 = 50 µL, R2 = 40 µL</b>                 |   |
| <b>R1 = 180 µL, R2 = 50 µL</b>                       |   | <b>R1 = 40 µL, R2 = 32 µL</b>                 |   |
| <b>R1 = 158 µL, R2 = 44 µL</b>                       |   | <b>R1 = 30 µL, R2 = 24 µL</b>                 |   |
| <b>Serum/Plasma</b>                                  |   | <b>Serum</b>                                  |   |
| Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A         |   | Serum: 2 µL<br>Urine: N/A<br>CSF: N/A         |   |
| Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A         |   | Serum: 1.8 µL<br>Urine: N/A<br>CSF: N/A       |   |
| Serum/Plasma: 1.8 µL<br>Urine: N/A<br>CSF: N/A       |   | Serum: 1.2 µL<br>Urine: N/A<br>CSF: N/A       |   |
| <b>SI Units</b>                                      |   | <b>SI Units</b>                               |   |
| Serum/Plasma: 60-2000 mg/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 6-200 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 15-500 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 0.15-5.0 g/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: 180-580 mg/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 18-58 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 87-200 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum: 0.87-2.0 g/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A    | Serum: < 5% CV<br>Urine: N/A<br>CSF: N/A      | Serum: < 5% CV<br>Urine: N/A<br>CSF: N/A      |

| PROTEINS - SEROLOGY                     |  |  |  |
|---|--|--|--|
| Complement 4                            |  | C-Reactive Protein   |  |
| C4                                      |  | CRP  |  |
| Abbreviation                            |  |  |  |
| Kit: AU400/AU640                        | OSR6160 (4 x 200 tests)                      | OSR6147 (4 x 200 tests)  |  |
| Kit: AU480/AU680/AU2700/AU5400          | OSR6160 (4 x 260 tests)                      | OSR6147<br>AU480/AU680 (4 x 200 tests)<br>AU2700/AU5400 (4 x 300 tests)      |  |
| Kit: AU5800                             | OSR6160 (4 x 320 tests)                      | OSR6147 (4 x 300 tests)  |  |
| Calibrator Part Number                  | ODR3021                                      | ODR3021  |  |
| Control Name (Part Number)              | No specific recommendation                   | No specific recommendation   |  |
| Measurement Principle                   | Immunoturbidimetric                          | Immunoturbidimetric  |  |
| Reaction Type                           | End  | Fixed  |  |
| Primary Wavelength                      | 340 nm                                       | 340 nm   |  |
| Measuring Points                        | 0, 27/0, 10                                  | 11, 27   |  |
| Liquid or Lyophilized                   | Liquid                                       | Liquid   |  |
| Onboard Stability                       | 90 Days                                      | 90 Days  |  |
| Storage Temperature                     | +2 to +8°C                                   | +2 to +8°C   |  |
| Calibration Frequency                   | 90 Days                                      | 90 Days  |  |
| Compatible Anticoagulants               | N/A  | N/A  |  |
| Reagent Volume                          |  |  |  |
| AU400/AU640                             | R1 = 50 µL, R2 = 40 µL                       | R1 = 70 µL, R2 = 30 µL   |  |
| AU480/AU680/AU2700/AU5400               | R1 = 40 µL, R2 = 32 µL                       | AU480/AU680: R1 = 70 µL, R2 = 30 µL<br>AU2700/AU5400: R1 = 47 µL, R2 = 20 µL |  |
| AU5800                                  | R1 = 30 µL, R2 = 24 µL                       | R1 = 47 µL, R2 = 20 µL   |  |
| Sample Type                             | Serum  | Serum  |  |
| Sample Size (AU400/AU640)               | Serum: 2 µL<br>Urine: N/A<br>CSF: N/A        | Serum 18 µL<br>Urine N/A<br>CSF N/A  |  |
| Sample Size (AU480/AU680/AU2700/AU5400) | Serum: 1.6 µL<br>Urine: N/A<br>CSF: N/A      | Serum AU480/680 18 µL, AU2700/AU5400 15 µL<br>Urine N/A<br>CSF N/A           |  |
| Sample Size (AU5800)                    | Serum: 1.2 µL<br>Urine: N/A<br>CSF: N/A      | Serum 11.9 µL<br>Urine N/A<br>CSF N/A  |  |
| Analytical Range                        | Serum: 8-150 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum 5-300 mg/L<br>Urine N/A<br>CSF N/A                                     | Serum: 0.5-30 mg/dL<br>Urine N/A<br>CSF N/A                                  |
| Reference Interval                      | Serum: 19-52 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum < 5 mg/L<br>Urine N/A<br>CSF N/A                                       | Serum < 0.5 mg/dL<br>Urine N/A<br>CSF N/A                                    |
| Precision Specification                 | Serum: < 5% CV<br>Urine: N/A<br>CSF: N/A     | Serum: < 5% CV<br>Urine: N/A<br>CSF: N/A                                     | < 5% CV or SD ≤ 1 mg/L <sup>1</sup><br>< 5% CV or SD ≤ 0.1 mg/L <sup>1</sup> |
| Comment(s)                              |  |  | <sup>1</sup> Use the greater number  |



**PROTEINS - SEROLOGY**

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| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| <b>C-Reactive Protein</b>   |   | <b>C-Reactive Protein, High Sensitivity</b>   |   |
|---|---|---|---|
| <b>CRPN</b>   |   | <b>CRP:HS</b>   |   |
| OSR6199 (4 x 190 tests)   |   | OSR6198 (4 x 360 tests)   |   |
| OSR6199 (4 x 230 tests)   |   | OSR6199 (4 x 380 tests)   |   |
| OSR6199 (4 x 300 tests)   |   | OSR6199 (4 x 440 tests)   |   |
| ODC0026   |   | ODC0027   |   |
| No specific recommendation  |   | No specific recommendation  |   |
| <b>Latex Particle Immunoturbidimetric</b>   |   | <b>Latex Particle Immunoturbidimetric</b>   |   |
| <b>Fixed</b>  |   | <b>Fixed</b>  |   |
| <b>570 nm</b>   |   | <b>570 nm</b>   |   |
| <b>12, 22</b>   |   | <b>12, 22</b>   |   |
| <b>Liquid</b>   |   | <b>Liquid</b>   |   |
| <b>90 Days</b>  |   | <b>90 Days</b>  |   |
| <b>+2 to +8°C</b>   |   | <b>+2 to +8°C</b>   |   |
| <b>90 Days</b>  |   | <b>90 Days</b>  |   |
| <b>EDTA, Lithium Heparin</b>  |   | <b>EDTA, Lithium Heparin</b>  |   |
| <b>R1 = 150 µL, R2 = 150 µL<sup>2</sup></b>   |   | <b>R1 = 75 µL, R2 = 75 µL</b>   |   |
| <b>R1 = 120 µL, R2 = 120 µL<sup>2</sup></b>   |   | <b>AU480/AU680: R1=75 µL R2 = 75 µL, AU2700/AU5400 R1 = 70 µL, R2 = 70 µL</b>   |   |
| <b>R1 = 90 µL, R2 = 90 µL<sup>2</sup></b>   |   | <b>R1 = 55 µL, R2 = 55 µL</b>   |   |
| <b>Serum/Plasma</b>   |   | <b>Serum/Plasma</b>   |   |
| Serum/Plasma: <b>2 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>                           |   | Serum/Plasma: <b>3 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>   |   |
| Serum/Plasma: <b>1.6 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>                         |   | Serum/Plasma: AU480/680: <b>3.0 µL</b> , AU2700/AU5400: <b>3.5 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>                     |   |
| Serum/Plasma: <b>1.2 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>                         |   | Serum/Plasma: <b>2.2 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>   |   |
| <b>SI Units</b>   |   | <b>SI Units</b>   |   |
| Serum/Plasma: <b>1-480 mg/L</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>                     | Serum/Plasma: <b>0.1-48 mg/dL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> | Serum/Plasma: AU400/480/640/680: <b>0.2-160 mg/L</b><br>AU2700/5400/5800: <b>0.2-80 mg/L</b><br>Urine: <b>N/A</b> CSF: <b>N/A</b> | Serum/Plasma: AU400/480/640/680: <b>0.02-16 mg/dL</b><br>AU2700/5400/5800: <b>0.02-8 mg/dL</b><br>Urine: <b>N/A</b> CSF: <b>N/A</b> |
| Serum/Plasma: <b>&lt; 10 mg/L</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>                   | Serum/Plasma: <b>&lt; 1 mg/dL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> | Serum/Plasma: <b>&lt; 10 mg/L</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>   | Serum/Plasma: <b>&lt; 1 mg/L</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>  |
| <b>≤10% CV or SD ≤ 0.25 mg/L<sup>1</sup></b>  | <b>≤ 10% CV or SD ≤ 0.025 mg/dL<sup>1</sup></b>                           | <b>&lt; 10% CV or SD ≤ 0.02 mg/L<sup>1</sup></b>  | <b>≤ 10% CV or SD ≤ 0.002 mg/dL<sup>1</sup></b>   |
| <sup>1</sup> Use the greater number   |   | <sup>1</sup> Use the greater number   |   |
| <sup>2</sup> Gently invert R2 5-10 times before placing on instrument and weekly thereafter |   |   |   |

**PROTEINS - SEROLOGY**

|                                       |
|---------------------------------------|
| <b>Abbreviation</b>                   |
| <b>Kit: AU400/AU640</b>               |
| <b>Kit: AU480/AU680/AU2700/AU5400</b> |
| <b>Kit: AU5800</b>                    |
| <b>Calibrator Part Number</b>         |
| <b>Control Name (Part Number)</b>     |

|                              |
|------------------------------|
| <b>Measurement Principle</b> |
| <b>Reaction Type</b>         |
| <b>Primary Wavelength</b>    |
| <b>Measuring Points</b>      |

|                              |
|------------------------------|
| <b>Liquid or Lyophilized</b> |
| <b>Onboard Stability</b>     |

|                                  |
|----------------------------------|
| <b>Storage Temperature</b>       |
| <b>Calibration Frequency</b>     |
| <b>Compatible Anticoagulants</b> |
| <b>Reagent Volume</b>            |
| <b>AU400/AU640</b>               |
| <b>AU480/AU680/AU2700/AU5400</b> |
| <b>AU5800</b>                    |

|  |
|--|
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |

|                                |
|--------------------------------|
| <b>Analytical Range</b>        |
| <b>Reference Interval</b>      |
| <b>Precision Specification</b> |
| <b>Comment(s)</b>              |

|  | <b>Ferritin</b>  | <b>Haptoglobin</b>   |
|--|--|--|
|  | <b>FERR</b>  | <b>HAPT</b>  |
|  | <b>OSR61203 (4 x 200 tests)</b>  | <b>OSR6165 (4 x 100 tests)</b>   |
|  | <b>OSR61203 (4 x 200 tests)</b>  | <b>OSR6165 (4 x 136 tests)</b>   |
|  | <b>OSR61203 (4 x 250 tests)</b>  | <b>OSR6165 (4 x 170 tests)</b>   |
|  | <b>ODR3021</b>   | <b>ODR3023</b>   |
|  | <b>No specific recommendation</b>  | <b>No specific recommendation</b>  |
|  | <b>Latex Particle Immunoturbidimetric</b>  | <b>Immunoturbidimetric</b>   |
|  | <b>Fixed</b>   | <b>End</b>   |
|  | <b>660 nm</b>  | <b>600 nm</b>  |
|  | <b>12, 22</b>  | <b>0, 27/0, 10</b>   |
|  | <b>Liquid</b>  | <b>Liquid</b>  |
|  | <b>90 Days</b>   | <b>90 Days</b>   |
|  | <b>+2 to +8°C</b>  | <b>+2 to +8°C</b>  |
|  | <b>30 Days</b>   | <b>90 Days</b>   |
|  | <b>EDTA, Lithium Heparin</b>   | <b>N/A</b>   |
|  | <b>R1 = 120 µL, R2 = 60 µL<sup>1</sup></b>   | <b>R1 = 165 µL, R2 = 45 µL</b>   |
|  | <b>R1 = 120 µL, R2 = 60 µL<sup>1</sup></b>   | <b>AU480/AU680: R1 = 132 µL, R2 = 36 µL</b><br><b>AU2700/AU5400: 165 µL, 45 µL</b>                                     |
|  | <b>R1 = 90 µL, R2 = 45 µL<sup>1</sup></b>  | <b>R1 = 99 µL, R2 = 27 µL</b>  |
|  | <b>Serum/Plasma</b>  | <b>Serum</b>   |
|  | <b>Serum/Plasma: 6 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>  | <b>Serum 2 µL</b><br><b>Urine N/A</b><br><b>CSF N/A</b>  |
|  | <b>Serum/Plasma: 6 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>  | <b>Serum 1.6 µL</b><br><b>Urine N/A</b><br><b>CSF N/A</b>  |
|  | <b>Serum/Plasma: 4.5 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>  | <b>Serum 1.2 µL</b><br><b>Urine N/A</b><br><b>CSF N/A</b>  |
|  | <b>SI Units</b>  | <b>SI Units</b>  |
|  | <b>Serum/Plasma: 8-450 ng/mL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Serum/Plasma: 8-450 µg/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>  |
|  | <b>Serum: 30-400 mg/dL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Serum 0.3-4.0 g/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |
|  | <b>Serum/Plasma:</b><br><b>Male: 16-243 ng/mL</b><br><b>Female: 10-158 ng/mL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b> | <b>Serum/Plasma:</b><br><b>Male: 16-243 µg/L</b><br><b>Female: 10-158 µg/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b> |
|  | <b>Serum: 44-215 mg/dL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Serum 0.44-2.15 g/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |
|  | <b>Serum/Plasma: &lt; 11% CV</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Serum &lt; 10% CV</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |
|  | <b>Serum/Plasma: &lt; 11% CV</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Serum &lt; 10% CV</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |
|  | <sup>1</sup> Gently invert R2 5-10 times before placing on instrument and weekly thereafter                              |  |

**PROTEINS - SEROLOGY**

|                                |
|--------------------------------|
| Abbreviation                   |
| Kit: AU400/AU640               |
| Kit: AU480/AU680/AU2700/AU5400 |
| Kit: AU5800                    |
| Calibrator Part Number         |
| Control Name (Part Number)     |

|                       |
|-----------------------|
| Measurement Principle |
| Reaction Type         |
| Primary Wavelength    |
| Measuring Points      |

|                       |
|-----------------------|
| Liquid or Lyophilized |
| Onboard Stability     |

|                           |
|---------------------------|
| Storage Temperature       |
| Calibration Frequency     |
| Compatible Anticoagulants |
| Reagent Volume            |
| AU400/AU640               |
| AU480/AU680/AU2700/AU5400 |
| AU5800                    |

|   |
|---|
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |

|                         |
|-------------------------|
| Analytical Range        |
| Reference Interval      |
| Precision Specification |
| Comment(s)              |

| Immunoglobulin A                                     |   | Immunoglobulin G   |  |
|--|---|--|--|
| IGA  |   | IGG  |  |
| OSR61171 (4 x 200 tests)                             |   | OSR61172 (4 x 200 tests)   |  |
| OSR61171 (4 x 250 tests)                             |   | OSR61172 (4 x 250 tests)   |  |
| OSR61171 (4 x 320 tests)                             |   | OSR61172 (4 x 320 tests)   |  |
| ODR3021  |   | ODR3021  |  |
| No specific recommendation                           |   | No specific recommendation   |  |
| Immunoturbidimetric                                  |   | Immunoturbidimetric  |  |
| End  |   | End  |  |
| 600 nm   |   | Serum/Plasma: 600 nm, CSF: 340 nm  |  |
| 0, 27/0, 10  |   | 0, 23/0, 10  |  |
| Liquid   |   | Liquid   |  |
| 90 Days  |   | 90 Days  |  |
| +2 to +8°C   |   | +2 to +8°C   |  |
| 90 Days  |   | Serum/Plasma: 90 days, CSF: 2 days   |  |
| EDTA, Lithium Heparin                                |   | EDTA, Lithium Heparin  |  |
| R1 = 70 µL, R2 = 55 µL                               |   | Serum/Plasma: R1 = 110 µL, R2 = 100 µL<br>CSF: R1 = 110 µL, R2 = 68 µL   |  |
| R1 = 56 µL, R2 = 44 µL                               |   | Serum/Plasma: R1 = 88 µL, R2 = 80 µL<br>CSF: R1 = 110 µL, R2 = 68 µL   |  |
| R1 = 42 µL, R2 = 33 µL                               |   | Serum/Plasma: R1 = 55 µL, R2 = 50 µL<br>CSF: R1 = 88 µL, R2 = 54 µL  |  |
| Serum/Plasma   |   | Serum/Plasma/CSF   |  |
| Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A         |   | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: 10 µL   |  |
| Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A       |   | Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: 10 µL   |  |
| Serum/Plasma: 1.2 µL<br>Urine: N/A<br>CSF: N/A       |   | Serum/Plasma: 1 µL<br>Urine: N/A<br>CSF: 8 µL  |  |
| SI Units   |   | SI Units   |  |
| Serum/Plasma: 10-700 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.1-7.0 g/L<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: 75-3000 mg/dL<br>Urine: N/A<br>CSF: 2-50 mg/dL   | Serum/Plasma: 0.75-30 g/L<br>Urine: N/A<br>CSF: 0.02-0.50 g/L  |
| Serum/Plasma: 66-433 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.66-4.33 g/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 835-1741 mg/dL<br>Urine: N/A<br>CSF:<br>15-20 years: 3.5 mg/dL ± 2.0 mg/dL<br>21-40 years: 4.2 mg/dL ± 1.4 mg/dL<br>41-60 years: 4.7 mg/dL ± 1.0 mg/dL | Serum/Plasma: 6.35-17.41 g/L<br>Urine: N/A<br>CSF:<br>15-20 years: 0.035 g/L ± 0.02 g/L<br>21-40 years: 0.042 g/L ± 0.014 g/L<br>41-60 years: 0.047 g/L ± 0.01 g/L |
| Serum/Plasma: < 8% CV<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: < 8% CV<br>Urine: N/A<br>CSF: N/A       | Serum/Plasma: < 7.5% CV or SD < 0.5 mg/dL <sup>1</sup><br>Urine: N/A<br>CSF: < 6%  | Serum/Plasma: < 7.5% CV or SD < 0.005 g/L <sup>1</sup><br>Urine: N/A<br>CSF: < 6%  |
|  |   | <sup>1</sup> Use the greater number  |  |

**PROTEINS - SEROLOGY**

|                                |
|--------------------------------|
| Abbreviation                   |
| Kit: AU400/AU640               |
| Kit: AU480/AU680/AU2700/AU5400 |
| Kit: AU5800                    |
| Calibrator Part Number         |
| Control Name (Part Number)     |

|                       |
|-----------------------|
| Measurement Principle |
| Reaction Type         |
| Primary Wavelength    |
| Measuring Points      |

|                           |
|---------------------------|
| Liquid or Lyophilized     |
| Onboard Stability         |
| Storage Temperature       |
| Calibration Frequency     |
| Compatible Anticoagulants |
| Reagent Volume            |
| AU400/AU640               |
| AU480/AU680/AU2700/AU5400 |
| AU5800                    |

|   |
|---|
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |

|                         |
|-------------------------|
| Analytical Range        |
| Reference Interval      |
| Precision Specification |
| Comment(s)              |

|  | Immunoglobulin M                                     |   | Microalbumin   |
|--|--|---|--|
|  | <b>IGM</b>   |   | <b>MALB</b>  |
|  | OSR61173 (4 x 200 tests)                             |   | OSR6167 (4 x 100 tests)                              |
|  | OSR61173 (4 x 250 tests)                             |   | OSR6167 (4 x 100 tests)                              |
|  | OSR61173 (4 x 320 tests)                             |   | OSR6167 (4 x 205 tests)                              |
|  | ODR3021  |   | ODR3024  |
|  | No specific recommendation                           |   | No specific recommendation                           |
|  | Immunoturbidimetric                                  |   | Immunoturbidimetric                                  |
|  | End  |   | End  |
|  | 340 nm   |   | 340 nm   |
|  | 0, 27/0, 10  |   | 0, 27/0, 10  |
|  | Liquid   |   | Liquid   |
|  | 90 Days  |   | 90 Days  |
|  | +2 to +8°C   |   | +2 to +8°C   |
|  | 90 Days  |   | 90 Days  |
|  | EDTA, Lithium Heparin                                |   | N/A  |
|  | R1 = 70 µL, R2 = 55 µL                               |   | R1 = 150 µL, R2 = 50 µL                              |
|  | R1 = 56 µL, R2 = 44 µL                               |   | R1 = 120 µL, R2 = 40 µL                              |
|  | R1 = 42 µL, R2 = 33 µL                               |   | R1 = 90 µL, R2 = 30 µL                               |
|  | <b>Serum/Plasma</b>                                  |   | <b>Urine</b>   |
|  | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A         |   | Serum/Plasma N/A<br>Urine 5 µL<br>CSF N/A            |
|  | Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A       |   | Serum/Plasma N/A<br>Urine 4 µL<br>CSF N/A            |
|  | Serum/Plasma: 1.2 µL<br>Urine: N/A<br>CSF: N/A       |   | Serum/Plasma N/A<br>Urine 6 µL<br>CSF N/A            |
|  |  | <b>SI Units</b>                                       | <b>SI Units</b>                                      |
|  | Serum/Plasma: 20-500 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.2-5.0 g/L<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma N/A<br>Urine 0.005-0.30 g/L<br>CSF N/A  |
|  | Serum/Plasma: 45-281 mg/dL<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 0.45-2.81 g/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma N/A<br>Urine < 0.03 g/24 hrs<br>CSF N/A |
|  | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma N/A<br>Urine < 10% CV<br>CSF N/A        |

**PROTEINS - SEROLOGY**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

|  | <b>Prealbumin</b>  | <b>Rheumatoid Factor</b>  |
|--|--|---|
|  | <b>PALB</b>  | <b>RF</b>   |
|  | OSR6175 (4 x 100 tests)  | OSR61105 (4 x 200 tests)  |
|  | OSR6175 (4 x 120 tests)  | OSR61105 (4 x 200 tests)  |
|  | OSR6175 (4 x 170 tests)  | OSR61105 (4 x 240 tests)  |
|  | CDR3029  | ODC0028   |
|  | No specific recommendation                                       | No specific recommendation  |
|  | <b>Immunoturbidimetric</b>                                       | <b>Latex Particle Immunoturbidimetric</b>                               |
|  | <b>End</b>   | <b>Fixed</b>  |
|  | <b>340 nm</b>  | <b>660 nm</b>   |
|  | <b>0, 27/0, 10</b>   | <b>12, 19</b>   |
|  | <b>Liquid</b>  | <b>Liquid</b>   |
|  | <b>90 Days</b>   | <b>60 Days</b>  |
|  | <b>2 - 8°C</b>   | <b>2 - 8°C</b>  |
|  | <b>90 Days</b>   | <b>30 Days</b>  |
|  | <b>N/A</b>   | <b>EDTA, Lithium Heparin</b>  |
|  | <b>R1 = 150 µL, R2 = 65 µL</b>                                   | <b>R1 = 120 µL, R2 = 40 µL<sup>1</sup></b>                              |
|  | <b>R1 = 120 µL, R2 = 52 µL</b>                                   | <b>R1 = 96 µL, R2 = 32 µL<sup>1</sup></b>                               |
|  | <b>R1 = 90 µL, R2 = 39 µL</b>                                    | <b>R1 = 96 µL, R2 = 32 µL<sup>1</sup></b>                               |
|  | <b>Serum</b>   | <b>Serum/Plasma</b>   |
|  | <b>Serum 3 µL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>          | <b>Serum/Plasma 3 µL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>          |
|  | <b>Serum 2.4 µL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>        | <b>Serum/Plasma 2.6 µL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>        |
|  | <b>Serum 1.8 µL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>        | <b>Serum/Plasma 2.6 µL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>        |
|  | <b>SI Units</b>  | <b>SI Units</b>   |
|  | <b>Serum 3-80 mg/dL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>    | <b>Serum/Plasma 10-120 IU/L</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>   |
|  | <b>Serum 0.03-0.80 g/L</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i> | <b>Serum/Plasma 10-126 IU/L</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>   |
|  | <b>Serum 17-34 mg/dL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>   | <b>Serum/Plasma &lt; 14 IU/mL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i> |
|  | <b>Serum 0.17-0.34 g/L</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i> | <b>Serum/Plasma &lt; 14 IU/mL</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i> |
|  | <b>Serum &lt; 10% CV</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>   | <b>Serum/Plasma &lt; 10% CV</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>   |
|  | <b>Serum &lt; 10% CV</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>   | <b>Serum/Plasma &lt; 10% CV</b><br>Urine <i>N/A</i><br>CSF <i>N/A</i>   |

<sup>1</sup> Gently invert R2 5-16 times before placing on instrument and weekly thereafter

| PROTEINS - SEROLOGY                            |  |
|--|--|
| <b>Transferrin</b>                             |  |
| TRF  |  |
| Abbreviation                                   |  |
| Kit: AU400/AU640                               | <b>OSR6152</b> (4 x 200 tests)                               |
| Kit: AU480/AU680/AU2700/<br>AU5400             | <b>OSR61105</b> (4 x 270 tests)                              |
| Kit: AU5800                                    | <b>OSR6152</b> (4 x 330 tests)                               |
| Calibrator Part Number                         | <b>ODR3021</b>   |
| Control Name (Part Number)                     | No specific recommendation                                   |
| Measurement Principle                          | <b>Immunoturbidimetric</b>                                   |
| Reaction Type                                  | <b>End</b>   |
| Primary Wavelength                             | 380 nm   |
| Measuring Points                               | <b>0, 27/0, 10</b>   |
| Liquid or Lyophilized                          | Liquid   |
| Onboard Stability                              | 90 Days  |
| Storage Temperature                            | 2 to 8°C   |
| Calibration Frequency                          | 90 Days  |
| Compatible Anticoagulants                      | N/A  |
| Reagent Volume                                 |  |
| AU400/AU640                                    | R1 = 35 µL, R2 = 40 µL                                       |
| AU480/AU680/AU2700/<br>AU5400                  | R1 = 28 µL, R2 = 32 µL                                       |
| AU5800   | R1 = 21 µL, R2 = 24 µL                                       |
| Sample Type                                    | <b>Serum/Plasma</b>  |
| Sample Size<br>(AU400/AU640)                   | Serum/Plasma: 2 µL<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) | Serum/Plasma: 1.6 µL<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> |
| Sample Size<br>(AU5800)                        | Serum/Plasma: 1.2 µL<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> |
| Analytical Range                               | SI Units   |
| Reference Interval                             |  |
| Precision Specification                        |  |
| Comment(s)                                     |  |

Abbreviation  
 Kit: AU400/AU640  
 Kit: AU480/AU680/AU2700/  
 AU5400  
 Kit: AU5800  
 Calibrator Part Number  
 Control Name (Part Number)

Measurement Principle  
 Reaction Type  
 Primary Wavelength  
 Measuring Points

Liquid or Lyophilized  
 Onboard Stability  
 Storage Temperature  
 Calibration Frequency  
 Compatible Anticoagulants  
 Reagent Volume  
 AU400/AU640  
 AU480/AU680/AU2700/  
 AU5400  
 AU5800

Sample Type  
 Sample Size  
 (AU400/AU640)  
 Sample Size  
 (AU480/AU680/AU2700/  
 AU5400)  
 Sample Size  
 (AU5800)

Analytical Range  
 Reference Interval  
 Precision Specification  
 Comment(s)

| SI Units  |  |
|---|--|
| Serum/Plasma: 75-750 mg/dL<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>  | Serum/Plasma: 0.75-7.5 g/L<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> |
| Serum/Plasma: 203-362 mg/dL<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> | Serum/Plasma: 2.0-3.6 g/L<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>  |
| Serum/Plasma: < 5% CV<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>       | Serum/Plasma: < 5% CV<br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>      |

**ESOTERICS**

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| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU540</b>                        |
| <b>Kit: AU480/AU580/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU540</b>                             |
| <b>AU480/AU580/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU540)</b>               |
| <b>Sample Size (AU480/AU580/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| Ammonia  |   | Cholinesterase  |   |
|--|---|---|---|
| AMMON  |   | CHE   |   |
| DSR61154 (2 x 106 tests)                               |   | DSR6114 (4 x 205 tests)                               |   |
| DSR61154 (2 x 106 tests)                               |   | DSR6114 (4 x 130 tests)                               |   |
| DSR61154 (2 x 106 tests)                               |   | DSR6114 (4 x 300 tests)                               |   |
| Included   |   | N/A   |   |
| No specific recommendation                             |   | No specific recommendation                            |   |
| Enzymatic Glutamate Dehydrogenase                      |   | Butyrylthiocholine                                    |   |
| Fixed  |   | Rate  |   |
| 340 nm   |   | 410 nm  |   |
| 2, 7   |   | 16, 20  |   |
| Liquid   |   | Liquid  |   |
| 14 Days  |   | 30 Days   |   |
| +2 to +8°C   |   | +2 to +8°C  |   |
| 7 Days   |   | N/A   |   |
| EDTA, Lithium Heparin                                  |   | Heparin, EDTA   |   |
| R1* = 150 µL   |   | R1 = 150 µL, R2 = 30 µL                               |   |
| R1* = 125 µL   |   | R1 = 150 µL, R2 = 30 µL                               |   |
| R1* = 85 µL  |   | R1 = 90 µL, R2 = 18 µL                                |   |
| Plasma   |   | Serum/Plasma  |   |
| Serum/Plasma: 30 µL<br>Urine: N/A<br>CSF: N/A          |   | Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A          |   |
| Serum/Plasma: 25 µL<br>Urine: N/A<br>CSF: N/A          |   | Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A          |   |
| Serum/Plasma: 17 µL<br>Urine: N/A<br>CSF: N/A          |   | Serum/Plasma: 1.8 µL<br>Urine: N/A<br>CSF: N/A        |   |
| SI Units   |   | SI Units  |   |
| Serum/Plasma: 17-1020 µg/dL<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: 10-600 µmol/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 1-15 kU/L<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma: 17-250 µkat/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: 25-90 µg/dL<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: 16-53 µmol/L<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: 4.9-11.9 kU/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 82-198 µkat/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A        | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A       | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: < 10% CV<br>Urine: N/A<br>CSF: N/A      |
| *Protect R1 from light<br>Not available in Puerto Rico |   |   |   |

**ESOTERICS**

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|--|
| Abbreviation                                   |
| Kit: AU400/AU640                               |
| Kit: AU480/AU680/AU2700/<br>AU5400             |
| Kit: AU5800                                    |
| Calibrator Part Number                         |
| Control Name (Part Number)                     |
| Measurement Principle                          |
| Reaction Type                                  |
| Primary Wavelength                             |
| Measuring Points                               |
| Liquid or Lyophilized                          |
| Onboard Stability                              |
| Storage Temperature                            |
| Calibration Frequency                          |
| Compatible Anticoagulants                      |
| Reagent Volume                                 |
| AU400/AU640                                    |
| AU480/AU680/AU2700/<br>AU5400                  |
| AU5800   |
| Sample Type                                    |
| Sample Size<br>(AU400/AU540)                   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
| Sample Size<br>(AU5800)                        |
| Analytical Range                               |
| Reference Interval                             |
| Precision Specification                        |
| Comment(s)                                     |

|  | <b>Creatine Kinase MB</b>   | <b>D-Dimer</b>  |  |
|--|---|---|--|
|  | <b>CK-MB</b>  | <b>DDIM</b>   |  |
|  | <b>OSR61155 (2 x 200 tests)</b>   | <b>OSR60135 (2 x 100 tests)</b>   |  |
|  | <b>OSR61155 (2 x 230 tests)</b>   | <b>OSR60135 (2 x 100 tests)</b>   |  |
|  | <b>OSR61155 (4 x 230 tests)</b>   | <b>OSR60135 (2 x 120 tests)</b>   |  |
|  | <b>N/A</b>  | <b>ODR3033</b>  |  |
|  | <b>No specific recommendation</b>   | <b>D-Dimer Control Levels 1 &amp; 2 (ODC0029)</b>   |  |
|  | <b>Immuno-inhibition UV/NADP</b>  | <b>Immunoturbidimetric</b>  |  |
|  | <b>Rate</b>   | <b>Fixed</b>  |  |
|  | <b>340 nm</b>   | <b>800 nm</b>   |  |
|  | <b>21, 27</b>   | <b>13, 27</b>   |  |
|  | <b>Liquid</b>   | <b>Liquid</b>   |  |
|  | <b>30 Days</b>  | <b>36 Days</b>  |  |
|  | <b>+2 to +8°C</b>   | <b>+2 to +8°C</b>   |  |
|  | <b>N/A</b>  | <b>30 days</b>  |  |
|  | <b>Heparin</b>  | <b>Citrated Plasma, Lithium Heparin<sup>2</sup></b>   |  |
|  | <b>R1 = 120 µL, R2 = 30 µL<sup>1</sup></b>  | <b>R1 = 125 µL, R2 = 125 µL<sup>1</sup></b>   |  |
|  | <b>R1 = 100 µL, R2 = 25 µL<sup>2</sup></b>  | <b>R1 = 125 µL, R2 = 125 µL<sup>1</sup></b>   |  |
|  | <b>R1 = 100 µL, R2 = 25 µL<sup>2</sup></b>  | <b>R1 = 100 µL, R2 = 100 µL<sup>1</sup></b>   |  |
|  | <b>Serum/Plasma</b>   | <b>Plasma</b>   |  |
|  | <b>Serum/Plasma: 6 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Plasma: 7 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |  |
|  | <b>Serum/Plasma: 5 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Plasma: 7 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |  |
|  | <b>Serum/Plasma: 5 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Plasma: 5.6 µL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |  |
|  |   | <b>SI Units</b>   | <b>SI Units</b>  |
|  | <b>Serum/Plasma: 10-2000 U/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>                                      | <b>Serum/Plasma: 0.17-33.3 µkat/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>                                       | <b>Plasma: 0.25-8.0 µg FEU/mL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>  |
|  | <b>Serum/Plasma: 0-10 U/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Serum/Plasma: 0-0.167 µkat/L</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   | <b>Plasma: &lt; 0.50 µg FEU/mL</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |
|  | <b>Serum/Plasma: &lt; 6.5% CV or SD</b><br><b>≤ 3 U/L<sup>1</sup></b><br><b>Urine: N/A</b><br><b>CSF: N/A</b> | <b>Serum/Plasma: &lt; 6.5% CV or SD</b><br><b>≤ 0.05 µkat/L<sup>1</sup></b><br><b>Urine: N/A</b><br><b>CSF: N/A</b> | <b>Plasma: &lt; 10% CV</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |
|  |   |   | <b>Plasma: &lt; 10% CV</b><br><b>Urine: N/A</b><br><b>CSF: N/A</b>   |
|  |   |   | <sup>1</sup> Invert R2 gently before use and on a weekly basis thereafter  |
|  |   |   | <sup>2</sup> D-Dimer values in heparin plasma are on average 16% higher than citrated plasma over the entire measuring range |



**ESOTERICS**

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|--|--|
| <b>Abbreviation</b>                            |  |
| <b>Kit: AU400/AU640</b>                        |  |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |  |
| <b>Kit: AU5800</b>                             |  |
| <b>Calibrator Part Number</b>                  |  |
| <b>Control Name (Part Number)</b>              |  |
| <b>Measurement Principle</b>                   |  |
| <b>Reaction Type</b>                           |  |
| <b>Primary Wavelength</b>                      |  |
| <b>Measuring Points</b>                        |  |
| <b>Liquid or Lyophilized</b>                   |  |
| <b>Onboard Stability</b>                       |  |
| <b>Storage Temperature</b>                     |  |
| <b>Calibration Frequency</b>                   |  |
| <b>Compatible Anticoagulants</b>               |  |
| <b>Reagent Volume</b>                          |  |
| <b>AU400/AU640</b>                             |  |
| <b>AU480/AU680/AU2700/AU5400</b>               |  |
| <b>AU5800</b>                                  |  |
| <b>Sample Type</b>                             |  |
| <b>Sample Size (AU400/AU640)</b>               |  |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |  |
| <b>Sample Size (AU5800)</b>                    |  |
| <b>Analytical Range</b>                        |  |
| <b>Reference Interval</b>                      |  |
| <b>Precision Specification</b>                 |  |
| <b>Comment(s)</b>                              |  |

| Hemoglobin A1c (IFCC/NGSP) |  | Lactate   |   |
|----------------------------|--|---|---|
| HBA1C                      |  | LAC   |   |
|                            | OSR6192 (2 x 250 tests)  |   | OSR6193 (4 x 45 tests)  |
|                            | OSR6192 (2 x 280 tests)  |   | OSR6193 (4 x 55 tests)  |
|                            | OSR6192 (2 x 340 tests)  |   | OSR6193 (4 x 75 tests)  |
|                            | ODR3032  |   | DR0070-2  |
|                            | HbA1c Control (OBC0022)  |   | No specific recommendation  |
|                            | Turbidimetric Immuno-inhibition  |   | Enzymatic   |
|                            | THb End, HbA1c Fixed   |   | Fixed   |
|                            | THb 600 nm, HbA1c 700nm  |   | 540 nm  |
|                            | THb 0, 27<br>HbA1c 13, 22  |   | 1, 15   |
|                            | Liquid   |   | Lyophilized   |
|                            | 30 Days  |   | 30 Days   |
|                            | +2 to +8°C   |   | +2 to +8°C  |
|                            | 14 Days  |   | 30 Days   |
|                            | K <sub>2</sub> EDTA, NH <sub>4</sub> , Heparinized Whole Blood                                     |   | Sodium Fluoride, Potassium Oxalate  |
|                            | Tab: R1 = 150 µL, HbA1c: R1 = 76 µL, R2 = 76 µL <sup>2</sup>                                       |   | R1 = 200 µL   |
|                            | THb: R1 = 130 µL<br>HbA1c: R1 = 65 µL, R2 = 65 µL <sup>2</sup>                                     |   | R1 = 160 µL   |
|                            | THb: R1 = 104 µL<br>HbA1c: R1 = 52 µL, R2 = 52 µL <sup>2</sup>                                     |   | R1 = 120 µL   |
|                            | Pre-treated Whole Blood  |   | Plasma/CSF  |
|                            | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A Other: THb: 11.0 µL, HbA1c: 3.5 µL <sup>1</sup>        |   | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: 2 µL   |
|                            | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A Other: THb: 9.5 µL, HbA1c: 3 µL <sup>1</sup>           |   | Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: 1.6 µL   |
|                            | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A<br>Other: THb: 7.6 µL, HbA1c: 2.4 µL <sup>1</sup>      |   | Serum/Plasma: 1.2 µL<br>Urine: N/A<br>CSF: 1.2 µL   |
|                            |  | <b>SI Units</b>   | <b>SI Units</b>   |
|                            | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A<br>Other: 2.6% - highest calibrator                    | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A<br>Other: 2.6% - highest calibrator | Serum/Plasma: 2-99 mg/dL<br>Urine: N/A<br>CSF: 2-90 mg/dL   |
|                            | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A<br>Other: HbA1c: 4-6.2%                                | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A<br>Other: HbA1c: 4-6.2%             | Serum/Plasma: 4.5-19.8 mg/dL<br>Urine: N/A<br>CSF: Neonate: 10-60 mg/dL, 3-10 days old: 10-40 mg/dL, > 10 days old: 10-25 mg/dL; Adult: 10-22 mg/dL |
|                            | Serum/Plasma: ≤ 4% CV<br>Urine: N/A<br>CSF: N/A  | Serum/Plasma: ≤ 4% CV<br>Urine: N/A<br>CSF: N/A                                 | Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A   |
|                            |  |   |   |
|                            | Whole blood tubes<br>* Carry over: R2 5-10 times above placing on instrument and weekly thereafter |   |   |

**ESOTERIC 3**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

|   |
|---|
| Lithium   |
| LI  |
| OSRT056 (2 x 113 tests)                                       |
| OSRT056 (2 x 113 tests)                                       |
| OSRT056 (2 x 113 tests)                                       |
| Included  |
| No specific recommendation                                    |
| Colorimetric/Endpoint   |
| End   |
| 920 nm  |
| 0, 6  |
| Liquid  |
| 14 Days   |
| +2 to +8°C  |
| 7 Days  |
| EDTA  |
| R1 = 150 µL   |
| R1 = 150 µL   |
| R1 = 150 µL   |
| Serum/Plasma  |
| Serum/Plasma: 2 µL of a 1/10<br>Urine: N/A<br>CSF: N/A        |
| Serum/Plasma: 2 µL of a 1/10<br>Urine: N/A<br>CSF: N/A        |
| Serum/Plasma: 2 µL of a 1/10<br>Urine: N/A<br>CSF: N/A        |
| SI Units  |
| Serum/Plasma: 0.1-5 mmol/L<br>Urine: N/A<br>CSF: N/A          |
| Serum/Plasma: 0.1-5 mEq/L<br>Urine: N/A<br>CSF: N/A           |
| Serum/Plasma: 1-1.2 mmol/L (trough)<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: 1-1.2 mEq/L (trough)<br>Urine: N/A<br>CSF: N/A  |
| Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A               |
| Serum/Plasma: < 5% CV<br>Urine: N/A<br>CSF: N/A               |
| Not available in Puerto Rico                                  |

**THYROIDS**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU460/AU660/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU460/AU660/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU460/AU660/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| Thyroxine   |   | T-Uptake  |   |
|---|---|---|---|
| T4  |   | TUP   |   |
| 0454 (510 tests)  |   | 0723 (510 tests)  |   |
| 0454 (510 tests)  |   | 0723 (510 tests)  |   |
| 0454 (510 tests)  |   | 0723 (510 tests)  |   |
| 0476  |   | 0738  |   |
| No specific recommendation                                |   | No specific recommendation                                |   |
| Homogenous Enzymatic Immunoassay                          |   | Homogenous Enzymatic Immunoassay                          |   |
| Fixed 1   |   | Fixed 1   |   |
| 340 nm  |   | 340 nm  |   |
| 14, 20  |   | 14, 20  |   |
| Liquid  |   | Liquid  |   |
| 60 Days   |   | 60 Days   |   |
| +2 to +8°C  |   | +2 to +8°C  |   |
| 14 Days   |   | 14 Days   |   |
| Heparin, Citrate, Oxalate, EDTA                           |   | Heparin, Citrate, Oxalate, EDTA                           |   |
| R1 = 180, R2 = 60   |   | R1 = 180, R2 = 60   |   |
| R1 = 180, R2 = 60   |   | R1 = 180, R2 = 60   |   |
| R1 = 135, R2 = 45   |   | R1 = 135, R2 = 45   |   |
| Serum/Plasma  |   | Serum/Plasma  |   |
| Serum/Plasma: 4 µL<br>Urine: N/A<br>CSF: N/A              |   | Serum: 8 µL<br>Urine: N/A<br>CSF: N/A                     |   |
| Serum/Plasma: 4 µL<br>Urine: N/A<br>CSF: N/A              |   | Serum: 8 µL<br>Urine: N/A<br>CSF: N/A                     |   |
| Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A              |   | Serum: 6 µL<br>Urine: N/A<br>CSF: N/A                     |   |
| <b>SI Units</b>   |   | <b>SI Units</b>   |   |
| Serum/Plasma: 0.7-20 µg/dL<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: 9-257 nmol/L<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: 15-50%                                      | Serum/Plasma: 15-50%                                      |
| Serum/Plasma: 4.5-12 µg/dL<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: 58-154 nmol/L<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma: 23-36%                                      | Serum/Plasma: 23-36%                                      |
| Serum/Plasma: typical CV ≤ 4.3%<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: typical CV ≤ 4.3%<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: typical CV ≤ 3.6%<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: typical CV ≤ 3.6%<br>Urine: N/A<br>CSF: N/A |
| User-defined reagent                                      |   | User-defined reagent                                      |   |

**THERAPEUTIC DRUG MONITORING (TDM)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| Acetaminophen  |  | Amikacin   |  |
|--|--|--|--|
| ACETA  |  | AMIK   |  |
| OSR7A229 (2 x 200 tests)                                     |  | 6X019 (275 tests)  |  |
| OSR7A229 (2 x 200 tests)                                     |  | 6X019 (275 tests)  |  |
| OSR7A229 (2 x 200 tests)                                     |  | 6X019 (275 tests)  |  |
| 7A409  |  | Included   |  |
| No specific recommendation                                   |  | No specific recommendation                                   |  |
| Emit* tox  |  | Emit* TDM  |  |
| Rate   |  | Rate   |  |
| 340 nm   |  | 340 nm   |  |
| 15, 23   |  | 12, 16   |  |
| Liquid   |  | Lyophilized  |  |
| 28 Days  |  | 28 Days  |  |
| +2 to +8°C   |  | +2 to +8°C   |  |
| 14 Days  |  | 14 Days  |  |
| EDTA, Heparin, Citrate, Oxalate/Fluoride                     |  | EDTA, Citrate, Oxalate                                       |  |
| R1 = 150, R2 = 75  |  | R1 = 162, R2 = 162   |  |
| R1 = 150, R2 = 75<br>(AU480: R1 = 120, R2 = 60)              |  | R1 = 162, R2 = 162<br>(AU480: R1 = 89, R2 = 89)              |  |
| R1 = 120, R2 = 60  |  | R1 = 89, R2 = 89   |  |
| Serum/Plasma   |  | Serum/Plasma   |  |
| Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A                 |  | Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A                 |  |
| Serum/Plasma: 3 µL (AU480: 2.4 µL)<br>Urine: N/A<br>CSF: N/A |  | Serum/Plasma: 3 µL (AU480: 1.7 µL)<br>Urine: N/A<br>CSF: N/A |  |
| Serum/Plasma: 2.4 µL<br>Urine: N/A<br>CSF: N/A               |  | Serum/Plasma: 1.7 µL<br>Urine: N/A<br>CSF: N/A               |  |
| SI Units   |  | SI Units   |  |
| Serum/Plasma: 10-200 µg/mL<br>Urine: N/A<br>CSF: N/A         | Serum/Plasma: 66-1324 µmol/L<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma: 2.5-50 µg/mL<br>Urine: N/A<br>CSF: N/A         | Serum/Plasma: 4.3-85.5 µmol/L<br>Urine: N/A<br>CSF: N/A    |
| Serum/Plasma: Consult literature<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: Consult literature<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: Consult literature<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: Consult literature<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: typical CV ≤ 5%<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: typical CV ≤ 5%<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: typical CV ≤ 3.9%<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: typical CV ≤ 3.9%<br>Urine: N/A<br>CSF: N/A  |
| Not available in Puerto Rico                                 |  | User-defined reagent<br>Not available in Puerto Rico         |  |

**THERAPEUTIC DRUG MONITORING (TDM)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number:</b>                 |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| Caffeine  |   | Carbamazepine  |  |
|---|---|--|--|
| CAFF  |   | CARB   |  |
| 6P419 (145 tests)   |   | GSR4F229 (2 x 200 tests)                               |  |
| 6P419 (145 tests)   |   | GSR4F229 (2 x 200 tests)                               |  |
| 6P419 (145 tests)   |   | DSR6414 (2 x 200 tests)                                |  |
| Included  |   | 4F109  |  |
| No specific recommendation                                |   | No specific recommendation                             |  |
| Emit* TDM   |   | Emit* 2000   |  |
| Rate  |   | Rate   |  |
| 340 nm  |   | 340 nm   |  |
| 12, 16  |   | 19, 27   |  |
| Lyophilized   |   | Liquid   |  |
| 28 Days   |   | 90 Days  |  |
| +2 to +8°C  |   | +2 to +8°C   |  |
| 14 Days   |   | 14 Days  |  |
| N/A   |   | Heparin, Oxalate, Citrate, EDTA                        |  |
| R1 = 162, R2 = 162  |   | R1 = 100, R2 = 50                                      |  |
| R1 = 162, R2 = 162<br>(AU480: R1 = 89, R2 = 89)           |   | R1 = 100, R2 = 50<br>(AU480: R1 = 80, R2 = 40)         |  |
| R1 = 89, R2 = 89  |   | R1 = 80, R2 = 40                                       |  |
| Serum/Plasma  |   | Serum/Plasma   |  |
| Serum/Plasma 3 µL<br>Urine N/A<br>CSF N/A                 |   | Serum/Plasma 2 µL<br>Urine N/A<br>CSF N/A              |  |
| Serum/Plasma 3 µL (AU480: 1.7 µL)<br>Urine N/A<br>CSF N/A |   | Serum 2 µL (AU480: 1.6 µL)<br>Urine N/A<br>CSF N/A     |  |
| Serum/Plasma 1.7 µL<br>Urine N/A<br>CSF N/A               |   | Serum 1.6 µL<br>Urine N/A<br>CSF N/A                   |  |
| SI Units  |   | SI Units   |  |
| Serum/Plasma 1-30 µg/mL<br>Urine N/A<br>CSF N/A           | Serum/Plasma 5-155 µmol/L<br>Urine N/A<br>CSF N/A       | Serum/Plasma 2-20 µg/mL<br>Urine N/A<br>CSF N/A        | Serum/Plasma 8.5-84.6 µmol/L<br>Urine N/A<br>CSF N/A   |
| Serum/Plasma Consult literature<br>Urine N/A<br>CSF N/A   | Serum/Plasma Consult literature<br>Urine N/A<br>CSF N/A | Serum/Plasma 4-12 µg/mL<br>Urine N/A<br>CSF N/A        | Serum/Plasma 17-51 µmol/L<br>Urine N/A<br>CSF N/A      |
| Serum/Plasma typical CV ≤ 4.2%<br>Urine N/A<br>CSF N/A    | Serum/Plasma typical CV ≤ 4.2%<br>Urine N/A<br>CSF N/A  | Serum/Plasma typical CV ≤ 6.5%<br>Urine N/A<br>CSF N/A | Serum/Plasma typical CV ≤ 6.5%<br>Urine N/A<br>CSF N/A |
| User-defined reagent<br>Not available in Puerto Rico      |   | Not available in Puerto Rico                           |  |

Therapeutic Drug Monitoring (TDM)

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| Digoxin   |   | Disopyramide  |  |
|---|---|---|--|
| DIG   |   | DISO  |  |
| OSR4H229 (2 x 200 tests)                                |   | 6N319 (275 tests)   |  |
| OSR4H229 (2 x 200 tests)                                |   | 6N319 (275 tests)   |  |
| OSR4H229 (2 x 200 tests)                                |   | 6N319 (275 tests)   |  |
| 4H209   |   | Included  |  |
| No specific recommendation                              |   | No specific recommendation                                  |  |
| Emit* 2000  |   | Emit* TDM   |  |
| Rate  |   | Rate  |  |
| 340 nm  |   | 340 nm  |  |
| 17, 27  |   | 12, 16  |  |
| Liquid  |   | Lyophilize  |  |
| 90 Days   |   | 28 Days   |  |
| +2 to +8°C  |   | +2 to +8°C  |  |
| 14 Days   |   | 14 Days   |  |
| Heparin, Oxalate, EDTA                                  |   | Heparin, EDTA, Oxalate                                      |  |
| R1 = 130, R2 = 50                                       |   | R1 = 162, R2 = 162  |  |
| R1 = 130, R2 = 50<br>(AU480: R1 = 104, R2 = 40)         |   | R1 = 162, R2 = 162<br>(AU480: R1 = 89, R2 = 89)             |  |
| R1 = 104, R2 = 40                                       |   | R1 = 89, R2 = 89  |  |
| Serum   |   | Serum/Plasma  |  |
| Serum: 17 µL<br>Urine: N/A<br>CSF: N/A                  |   | Serum/Plasma 3 µL<br>Urine: N/A<br>CSF: N/A                 |  |
| Serum: 17 µL (AU480: 13.6 µL)<br>Urine: N/A<br>CSF: N/A |   | Serum/Plasma 3 µL (AU480: 1.7 µL)<br>Urine: N/A<br>CSF: N/A |  |
| Serum: 13.6 µL<br>Urine: N/A<br>CSF: N/A                |   | Serum/Plasma 1.7 µL<br>Urine: N/A<br>CSF: N/A               |  |
|   | SI Units  |   | SI Units   |
| Serum: 0.2-5.0 ng/mL<br>Urine: N/A<br>CSF: N/A          | Serum: 0.3-6.4 nmol/L<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma 0.5-8 µg/mL<br>Urine: N/A<br>CSF: N/A          | Serum/Plasma 1.5-23.6 µmol/L<br>Urine: N/A<br>CSF: N/A   |
| Serum: 0.9-2.0 ng/mL<br>Urine: N/A<br>CSF: N/A          | Serum: 1.2-2.6 nmol/L<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma 3-5 µg/mL<br>Urine: N/A<br>CSF: N/A            | Serum/Plasma 9-15 µmol/L<br>Urine: N/A<br>CSF: N/A       |
| Serum: typical CV ≤ 10.4%<br>Urine: N/A<br>CSF: N/A     | Serum: typical CV ≤ 10.4%<br>Urine: N/A<br>CSF: N/A | Serum/Plasma typical CV ≤ 4.6%<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma typical CV ≤ 4.6%<br>Urine: N/A<br>CSF: N/A |
| Not available in Puerto Rico                            |   | User-defined reagent<br>Not available in Puerto Rico        |  |

**THERAPEUTIC DRUG MONITORING (TDM)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| Ethosuximide   |   | Gentamicin   |  |
|--|---|--|--|
| SUXI   |   | GENT   |  |
| 6E119 (120 tests)  |   | CSR4T228 (2 x 200 tests)                                     |  |
| 6E119 (120 tests)  |   | CSR4T229 (2 x 200 tests)                                     |  |
| 6E119 (120 tests)  |   | CSR4T229 (2 x 200 tests)                                     |  |
| 6A089  |   | 4T208  |  |
| No specific recommendation                                     |   | No specific recommendation                                   |  |
| Emrit* TDM   |   | Emrit* 2000  |  |
| Rate   |   | Rate   |  |
| 340 nm   |   | 340 nm   |  |
| 12, 16   |   | 19, 27   |  |
| Lyophilized  |   | Liquid   |  |
| 56 days and as required  |   | 90 days  |  |
| +2 to +8°C   |   | +2 to +8°C   |  |
| 14 days  |   | 14 days  |  |
| Heparin, EDTA  |   | Heparin, Citrate, Oxalate, EDTA                              |  |
| R1 = 200, R2 = 200   |   | R1 = 100, R2 = 50  |  |
| R1 = 200, R2 = 200<br>(AU480, R1 = 110, R2 = 110)              |   | R1 = 100, R2 = 50<br>(AU480, R1 = 80, R2 = 40)               |  |
| R1 = 110, R2 = 110   |   | R1 = 80, R2 = 40   |  |
| Serum/Plasma   |   | Serum/Plasma   |  |
| Serum/Plasma: 4.5 µL<br>Urine: N/A<br>CSF: N/A                 |   | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A                 |  |
| Serum/Plasma: 4.5 µL (AU480: 2.5 µL)<br>Urine: N/A<br>CSF: N/A |   | Serum/Plasma: 2 µL (AU480: 1.6 µL)<br>Urine: N/A<br>CSF: N/A |  |
| Serum/Plasma: 2.5 µL<br>Urine: N/A<br>CSF: N/A                 |   | Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A               |  |
| SI Units   |   | SI Units   |  |
| Serum/Plasma: 10-150 µg/mL<br>Urine: N/A<br>CSF: N/A           | Serum/Plasma: 71-1062 µmol/L<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: 0.25-10 µg/mL<br>Urine: N/A<br>CSF: N/A        | Serum/Plasma: 0.5-20.9 µmol/L<br>Urine: N/A<br>CSF: N/A    |
| Serum/Plasma: 40-100 µg/mL<br>Urine: N/A<br>CSF: N/A           | Serum/Plasma: 283-708 µmol/L<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: Peak 4-8 µg/mL<br>Urine: N/A<br>CSF: N/A       | Serum/Plasma: Peak 8.6-17 µmol/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: typical CV ≤ 4.7%<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: typical CV ≤ 4.7%<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: typical CV ≤ 6.3%<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: typical CV ≤ 6.3%<br>Urine: N/A<br>CSF: N/A  |
| User-defined reagent<br>Not available in Puerto Rico           |   | Not available in Puerto Rico                                 |  |

**THERAPEUTIC DRUG MONITORING (TDM)**

|  |
|--|
| Abbreviation                                   |
| Kit: AU400/AU640                               |
| Kit: AU480/AU680/AU2700/<br>AU5400             |
| Kit: AU5800                                    |
| Calibrator Part Number                         |
| Control Name (Part Number)                     |
| Measurement Principle                          |
| Reaction Type                                  |
| Primary Wavelength                             |
| Measuring Points                               |
| Liquid or Lyophilized                          |
| Onboard Stability                              |
| Storage Temperature                            |
| Calibration Frequency                          |
| Compatible Anticoagulants                      |
| Reagent Volume                                 |
| AU400/AU640                                    |
| AU480/AU680/AU2700/<br>AU5400                  |
| AU5800   |
| Sample Type                                    |
| Sample Size<br>(AU400/AU640)                   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
| Sample Size<br>(AU5800)                        |
| Analytical Range                               |
| Reference Interval                             |
| Precision Specification                        |
| Comment(s)                                     |

| Lidocaine   |  |  | Methotrexate  |
|---|--|--|---|
| <b>LIDO</b>   |  |  | <b>MTRX</b>   |
| <b>6M119</b> (145 tests)  |  |  | <b>6L119</b> (130 tests)  |
| <b>6M119</b> (145 tests)  |  |  | <b>6L119</b> (130 tests)  |
| <b>6M119</b> (145 tests)  |  |  | <b>6L119</b> (130 tests)  |
| Included  |  |  | Included  |
| No specific recommendation  |  |  | No specific recommendation  |
| Emit* TDM   |  |  | Emit* TDM   |
| Rate  |  |  | Rate  |
| <b>340 nm</b>   |  |  | <b>340 nm</b>   |
| <b>12, 16</b>   |  |  | <b>12, 16</b>   |
| Lyophilized   |  |  | Lyophilized   |
| <b>28 days</b>  |  |  | <b>28 days</b>  |
| +2 to +8°C  |  |  | +2 to +8°C  |
| <b>14 days</b>  |  |  | <b>14 days</b>  |
| Heparin, EDTA, Oxalate  |  |  | Heparin, EDTA, Oxalate  |
| R1 = 162, R2 = 162  |  |  | R1 = 162, R2 = 162  |
| R1 = 162, R2 = 162<br>(AU480: R1 = 89, R2 = 89)                                   |  |  | R1 = 162, R2 = 162<br>(AU480: R1 = 89, R2 = 89)                                 |
| R1 = 89, R2 = 89  |  |  | R1 = 89, R2 = 89  |
| <b>Serum/Plasma</b>   |  |  | <b>Serum/Plasma</b>   |
| Serum/Plasma: <b>3 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>                 |  |  | Serum/Plasma <b>3 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                  |
| Serum/Plasma: <b>3 µL (AU480: 1.7 µL)</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> |  |  | Serum/Plasma <b>3 µL (AU480: 1.7 µL)</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>  |
| Serum/Plasma: <b>1.7 µL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>               |  |  | Serum/Plasma <b>1.7 µL</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>                |
|   | <b>SI Units</b>  |  | <b>SI Units</b>   |
| Serum/Plasma: <b>1-12 µg/mL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>           | Serum/Plasma: <b>4.3-51.2 µmol/L</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>   | Serum/Plasma <b>Calibrator dependent</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b> | Serum/Plasma: <b>Calibrator dependent</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b> |
| Serum/Plasma: <b>1.5-5.0 µg/mL</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>        | Serum/Plasma: <b>6-21 µmol/L</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>       | Serum/Plasma <b>Consult literature</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>   | Serum/Plasma <b>Consult literature</b><br>Urine <b>N/A</b><br>CSF <b>N/A</b>    |
| Serum/Plasma: <b>typical CV ≤ 4.6%</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b>    | Serum/Plasma: <b>typical CV ≤ 4.6%</b><br>Urine: <b>N/A</b><br>CSF: <b>N/A</b> |  |   |
| User-defined reagent<br>Not available in Puerto Rico                              |  | User-defined reagent<br>Not available in Puerto Rico                           |   |



**THERAPEUTIC DRUG MONITORING (TDM)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| N-Acetylprocainamide   |  | Phenobarbital  |   |
|--|--|--|---|
| NAPA   |  | PBAB   |   |
| OSR4N229 (2 x 200 tests)                                     |  | OSR4D229 (2 x 200 tests)                                     |   |
| OSR4N229 (2 x 200 tests)                                     |  | OSR4D229 (2 x 200 tests)                                     |   |
| OSR4N229 (2 x 200 tests)                                     |  | OSR4D229 (2 x 200 tests)                                     |   |
| 4N109  |  | 4D109  |   |
| No specific recommendation                                   |  | No specific recommendation                                   |   |
| Emit* 2000   |  | Emit* 2000   |   |
| Rate   |  | Rate   |   |
| 340 nm   |  | 340 nm   |   |
| 19, 27   |  | 15, 19   |   |
| Liquid   |  | Liquid   |   |
| 90 days  |  | 90 days  |   |
| +2 to +8°C   |  | +2 to +8°C   |   |
| 14 days  |  | 14 days  |   |
| Heparin, Citrate, Oxalate, EDTA                              |  | Heparin, Citrate, Oxalate, EDTA                              |   |
| R1 = 100, R2 = 50  |  | R1 = 90, R2 = 90   |   |
| R1 = 100, R2 = 50<br>(AU480: R1 = 60, R2 = 40)               |  | R1 = 90, R2 = 90<br>(AU480: R1 = 72, R2 = 72)                |   |
| R1 = 80, R2 = 40   |  | R1 = 72, R2 = 72   |   |
| Serum/Plasma   |  | Serum/Plasma   |   |
| Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A                 |  | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A                 |   |
| Serum/Plasma: 2 µL (AU480: 1.6 µL)<br>Urine: N/A<br>CSF: N/A |  | Serum/Plasma: 2 µL (AU480: 1.6 µL)<br>Urine: N/A<br>CSF: N/A |   |
| Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A               |  | Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A               |   |
| <b>SI Units</b>  |  | <b>SI Units</b>  |   |
| Serum/Plasma: 1-16 µg/mL<br>Urine: N/A<br>CSF: N/A           | Serum/Plasma: 3.6-58 µmol/L<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: 5-80 µg/mL<br>Urine: N/A<br>CSF: N/A           | Serum/Plasma: 22-345 µmol/L<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: Consult literature<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: Consult literature<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 10-40 µg/mL<br>Urine: N/A<br>CSF: N/A          | Serum/Plasma: 43-172 µmol/L<br>Urine: N/A<br>CSF: N/A |
| Not available in Puerto Rico                                 |  | Not available in Puerto Rico                                 |   |

**THERAPEUTIC DRUG MONITORING (TDM)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| Phenytoin  |   | Primidone   |   |
|--|---|---|---|
| PHEMY  |   | PRIM  |   |
| OSR4A229 (2 x 200 tests)                                     |   | BC119 (240 tests)   |   |
| OSR4A229 (2 x 200 tests)                                     |   | BC119 (240 tests)   |   |
| OSR4A229 (2 x 200 tests)                                     |   | BC119 (240 tests)   |   |
| 4A109  |   | 6A089   |   |
| No specific recommendation                                   |   | No specific recommendation                                  |   |
| Emit* 2000   |   | Emit* TDM   |   |
| Rate   |   | Rate  |   |
| 340 nm   |   | 340 nm  |   |
| 19, 27   |   | 12, 16  |   |
| Liquid   |   | Lyophilized   |   |
| 90 days  |   | 84 days and as required                                     |   |
| +2 to +8°C   |   | +2 to +8°C  |   |
| 14 days  |   | 7 days  |   |
| Heparin, Citrate, Oxalate, EDTA                              |   | Heparin, EDTA   |   |
| R1 = 90, R2 = 65   |   | R1 = 100, R2 = 100  |   |
| R1 = 90, R2 = 65<br>(AU480: R1 = 72, R2 = 52)                |   | R1 = 100, R2 = 100<br>(AU480: R1 = 60, R2 = 60)             |   |
| R1 = 72, R2 = 52   |   | R1 = 60, R2 = 60  |   |
| Serum/Plasma   |   | Serum/Plasma  |   |
| Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A                 |   | Serum/Plasma 4 µL<br>Urine: N/A<br>CSF: N/A                 |   |
| Serum/Plasma: 2 µL (AU480: 1.6 µL)<br>Urine: N/A<br>CSF: N/A |   | Serum/Plasma 4 µL (AU480: 2.4 µL)<br>Urine: N/A<br>CSF: N/A |   |
| Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A               |   | Serum/Plasma 2.4 µL<br>Urine: N/A<br>CSF: N/A               |   |
| SI Units   |   | SI Units  |   |
| Serum/Plasma: 2.5-40 µg/mL<br>Urine: N/A<br>CSF: N/A         | Serum/Plasma: 10-158 µmol/L<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma 2.5-20 µg/mL<br>Urine: N/A<br>CSF: N/A         | Serum/Plasma 11-92 µmol/L<br>Urine: N/A<br>CSF: N/A       |
| Serum/Plasma: 10-20 µg/mL<br>Urine: N/A<br>CSF: N/A          | Serum/Plasma: 40-79 µmol/L<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma 5-12 µg/mL<br>Urine: N/A<br>CSF: N/A           | Serum/Plasma 23-55 µmol/L<br>Urine: N/A<br>CSF: N/A       |
| Serum/Plasma: typical CV ≤ 8.2%<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: typical CV ≤ 8.2%<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: typical CV ≤ 6.2%<br>Urine: N/A<br>CSF: N/A   | Serum/Plasma: typical CV ≤ 6.2%<br>Urine: N/A<br>CSF: N/A |
| Not available in Puerto Rico                                 |   | User-defined reagent<br>Not available in Puerto Rico        |   |

**THERAPEUTIC DRUG MONITORING (TDM)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Analytical Range</b>                        |
| <b>Reference Interval</b>                      |
| <b>Precision Specification</b>                 |
| <b>Comment(s)</b>                              |

| Procainamide   |   | Quinidine  |   |
|--|---|--|---|
| PROC   |   | QUIN   |   |
| OSR4K229 (2 x 200 tests)                                     |   | OSR4Q229 (2 x 200 tests)                                     |   |
| OSR4K229 (2 x 200 tests)                                     |   | OSR4Q229 (2 x 200 tests)                                     |   |
| OSR4K229 (2 x 200 tests)                                     |   | OSR4Q229 (2 x 200 tests)                                     |   |
| 4K109  |   | 4Q109  |   |
| No specific recommendation                                   |   | No specific recommendation                                   |   |
| Emit* 2000   |   | Emit* 2000   |   |
| Rate   |   | Rate   |   |
| 340 nm   |   | 340 nm   |   |
| 19, 27   |   | 11, 15   |   |
| Liquid   |   | Liquid   |   |
| 90 days  |   | 90 days  |   |
| +2 to +8°C   |   | +2 to +8°C   |   |
| 14 days  |   | 14 days  |   |
| Heparin, Citrate, Oxalate, EDTA                              |   | Heparin, Citrate, Oxalate, EDTA                              |   |
| R1 = 100, R2 = 50  |   | R1 = 87 µL, R2 = 87 µL                                       |   |
| R1 = 100, R2 = 50<br>(AU480: R1 = 80, R2 = 40)               |   | R1 = 100, R2 = 50<br>(AU480: R1 = 80, R2 = 40)               |   |
| R1 = 80, R2 = 40   |   | R1 = 80, R2 = 40   |   |
| Serum/Plasma   |   | Serum/Plasma   |   |
| Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A                 |   | Serum/Plasma: 2 µL<br>Urine: N/A<br>CSF: N/A                 |   |
| Serum/Plasma: 2 µL (AU480: 1.6 µL)<br>Urine: N/A<br>CSF: N/A |   | Serum/Plasma: 2 µL (AU480: 1.6 µL)<br>Urine: N/A<br>CSF: N/A |   |
| Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A               |   | Serum/Plasma: 1.6 µL<br>Urine: N/A<br>CSF: N/A               |   |
| SI Units   |   | SI Units   |   |
| Serum/Plasma: 1-12 µg/mL<br>Urine: N/A<br>CSF: N/A           | Serum/Plasma: 4.3-51 µmol/L<br>Urine: N/A<br>CSF: N/A     | Serum/Plasma: 0.5-8 µg/mL<br>Urine: N/A<br>CSF: N/A          | Serum/Plasma: 1.5-25 µmol/L<br>Urine: N/A<br>CSF: N/A     |
| Serum/Plasma: 4-10 µg/mL<br>Urine: N/A<br>CSF: N/A           | Serum/Plasma: 17-43 µmol/L<br>Urine: N/A<br>CSF: N/A      | Serum/Plasma: 2 - 5 µg/mL<br>Urine: N/A<br>CSF: N/A          | Serum/Plasma: 6.2-15 µmol/L<br>Urine: N/A<br>CSF: N/A     |
| Serum/Plasma: typical CV ≤ 7.9%<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: typical CV ≤ 7.9%<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: typical CV ≤ 9.3%<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: typical CV ≤ 9.3%<br>Urine: N/A<br>CSF: N/A |
| Not available in Puerto Rico                                 |   | Not available in Puerto Rico                                 |   |

**THERAPEUTIC DRUG MONITORING (TDM)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

|  | Salicylic Acid   |   | Theophylline   |
|--|--|---|--|
|  | SALI   |   | THEO   |
|  | OSR7S229 (2 x 200 tests)                                     |   | OSR4P229 (2 x 200 tests)                                     |
|  | OSR7S229 (2 x 200 tests)                                     |   | OSR4P229 (2 x 200 tests)                                     |
|  | OSR7S229 (2 x 200 tests)                                     |   | OSR4P229 (2 x 200 tests)                                     |
|  | 7S109  |   | 4P109  |
|  | No specific recommendation                                   |   | No specific recommendation                                   |
|  | Emit* tox  |   | Emit* 2800   |
|  | Rate   |   | Rate   |
|  | 340 nm   |   | 340 nm   |
|  | 15, 23   |   | 15, 19   |
|  | Liquid   |   | Liquid   |
|  | 28 days  |   | 90 days  |
|  | +2 to +8°C   |   | +2 to +8°C   |
|  | 14 days  |   | 14 days  |
|  | EDTA, Sodium Heparin, Citrate, Oxalate/Fluoride              |   | Heparin, Citrate, Oxalate, EDTA                              |
|  | R1 = 150, R2 = 75  |   | R1 = 100, R2 = 50  |
|  | R1 = 150, R2 = 75<br>(AU480: R1 = 120, R2 = 60)              |   | R1 = 100, R2 = 50<br>(AU480: R1 = 80, R2 = 40)               |
|  | R1 = 120, R2 = 60  |   | R1 = 80, R2 = 40   |
|  | Serum/Plasma   |   | Serum/Plasma   |
|  | Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A                 |   | Serum/Plasma: 3 µL<br>Urine: N/A<br>CSF: N/A                 |
|  | Serum/Plasma: 3 µL (AU480: 2.4 µL)<br>Urine: N/A<br>CSF: N/A |   | Serum/Plasma: 3 µL (AU480: 2.4 µL)<br>Urine: N/A<br>CSF: N/A |
|  | Serum/Plasma: 2.4 µL<br>Urine: N/A<br>CSF: N/A               |   | Serum/Plasma: 2.4 µL<br>Urine: N/A<br>CSF: N/A               |
|  | SI Units   |   | SI Units   |
|  | Serum/Plasma: 2.5-80 mg/dL<br>Urine: N/A<br>CSF: N/A         | Serum/Plasma: 181-5792 µmol/L<br>Urine: N/A<br>CSF: N/A | Serum/Plasma: 2.5-40 µg/mL<br>Urine: N/A<br>CSF: N/A         |
|  | Serum/Plasma: < 6 mg/dL<br>Urine: N/A<br>CSF: N/A            | Serum/Plasma: < 434 µmol/L<br>Urine: N/A<br>CSF: N/A    | Serum/Plasma: 14-222 µmol/L<br>Urine: N/A<br>CSF: N/A        |
|  | Serum/Plasma: < 8.5% CV<br>Urine: N/A<br>CSF: N/A            | Serum/Plasma: < 8.5% CV<br>Urine: N/A<br>CSF: N/A       | Serum/Plasma: typical CV ≤ 11.3%<br>Urine: N/A<br>CSF: N/A   |
|  | Not available in Puerto Rico                                 |   | Not available in Puerto Rico                                 |

**THERAPEUTIC DRUG MONITORING (TDM)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU880/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU880/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU880/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Analytical Range                        |
| Reference Interval                      |
| Precision Specification                 |
| Comment(s)                              |

| Tobramycin  |  | Valproic Acid   |   |
|---|--|---|---|
| TOB   |  | VPA   |   |
| OSR4S229 (2 x 200 tests)                                    |  | OSR4G229 (2 x 200 tests)                                    |   |
| OSR4S229 (2 x 200 tests)                                    |  | OSR4G229 (2 x 200 tests)                                    |   |
| OSR4S229 (2 x 200 tests)                                    |  | OSR4G229 (2 x 200 tests)                                    |   |
| 4S109   |  | 4G109   |   |
| No specific recommendation                                  |  | No specific recommendation                                  |   |
| Emit® 2000  |  | Emit® 2000  |   |
| Rate  |  | Rate  |   |
| 340 nm  |  | 340 nm  |   |
| 17, 25  |  | 12, 17  |   |
| Liquid  |  | Liquid  |   |
| 90 days   |  | 90 days   |   |
| +2 to +8°C  |  | +2 to +8°C  |   |
| 14 days   |  | 14 days   |   |
| Sodium Heparin, Citrate, Oxalate/Fluoride, EDTA             |  | EDTA, Heparin, Citrate, Oxalate/Fluoride                    |   |
| R1 = 174, R2 = 87   |  | R1 = 174, R2 = 87   |   |
| R1 = 174, R2 = 87<br>(AU480: R1 = 139, R2 = 70)             |  | R1 = 174, R2 = 87<br>(AU480: R1 = 139, R2 = 70)             |   |
| R1 = 139, R2 = 70   |  | R1 = 139, R2 = 70   |   |
| Serum/Plasma  |  | Serum/Plasma  |   |
| Serum/Plasma 3.5 µL<br>Urine N/A<br>CSF N/A                 |  | Serum/Plasma 3.5 µL<br>Urine N/A<br>CSF N/A                 |   |
| Serum/Plasma 3.5 µL (AU480: 2.8 µL)<br>Urine N/A<br>CSF N/A |  | Serum/Plasma 3.5 µL (AU480: 2.8 µL)<br>Urine N/A<br>CSF N/A |   |
| Serum/Plasma 2.8 µL<br>Urine N/A<br>CSF N/A                 |  | Serum/Plasma 2.8 µL<br>Urine N/A<br>CSF N/A                 |   |
| Serum/Plasma 0.6-10 µg/mL<br>Urine N/A<br>CSF N/A           | SI Units<br>Serum/Plasma 1.3-21.4 µmol/L<br>Urine N/A<br>CSF N/A | Serum/Plasma 10-150 µg/mL<br>Urine N/A<br>CSF N/A           | SI Units<br>Serum/Plasma 69-1040 µmol/L<br>Urine N/A<br>CSF N/A |
| Serum/Plasma Peak 4-8 µg/mL<br>Urine N/A<br>CSF N/A         | Serum/Plasma Peak 8.6-17.1 µmol/L<br>Urine N/A<br>CSF N/A        | Serum/Plasma 50-100 µg/mL<br>Urine N/A<br>CSF N/A           | Serum/Plasma 347-693 µmol/L<br>Urine N/A<br>CSF N/A             |
| Serum/Plasma typical CV ≤ 6.6%<br>Urine N/A<br>CSF N/A      | Serum/Plasma typical CV ≤ 6.6%<br>Urine N/A<br>CSF N/A           | Serum/Plasma typical CV ≤ 4.3%<br>Urine N/A<br>CSF N/A      | Serum/Plasma typical CV ≤ 4.3%<br>Urine N/A<br>CSF N/A          |
| Not available in Puerto Rico                                |  | Not available in Puerto Rico                                |   |

**THERAPEUTIC DRUG MONITORING (TDM)**

Vancomycin

**VANC**

OSR4W229 (2 x 200 tests)

OSR4W229 (2 x 200 tests)

OSR4W229 (2 x 200 tests)

4W109

No specific recommendation

Emit\* 2000

Rate

340 nm

15, 21

Liquid

90 days

+2 to +8°C

14 days

EDTA, Sodium Heparin, Lithium Heparin, Citrate, Oxalate/Fluoride

R1 = 150, R2 = 80

R1 = 150, R2 = 80  
(AU480: R1 = 120, R2 = 64)

R1 = 120, R2 = 64

Serum/Plasma

Serum/Plasma: 3 µL

Urine: **N/A**

CSF: **N/A**

Serum/Plasma: 3 µL (AU480: 2.4 µL)

Urine: **N/A**

CSF: **N/A**

Serum/Plasma: 2.4 µL

Urine: **N/A**

CSF: **N/A**

SI Units

Serum/Plasma: 2-50 µg/mL

Urine: **N/A**

CSF: **N/A**

Serum/Plasma: 1.3-34 µmol/L

Urine: **N/A**

CSF: **N/A**

Serum/Plasma: Consult literature

Urine: **N/A**

CSF: **N/A**

Serum/Plasma: Consult literature

Urine: **N/A**

CSF: **N/A**

Serum/Plasma: typical CV ≤ 3.8%

Urine: **N/A**

CSF: **N/A**

Serum/Plasma: typical CV ≤ 3.8%

Urine: **N/A**

CSF: **N/A**

Not available in Puerto Rico

|   |  |
|---|--|
| Abbreviation                            |  |
| Kit: AU400/AU640                        |  |
| Kit: AU480/AU680/AU2700/AU5400          |  |
| Kit: AU5800                             |  |
| Calibrator Part Number                  |  |
| Control Name (Part Number)              |  |
| Measurement Principle                   |  |
| Reaction Type                           |  |
| Primary Wavelength                      |  |
| Measuring Points                        |  |
| Liquid or Lyophilized                   |  |
| Onboard Stability                       |  |
| Storage Temperature                     |  |
| Calibration Frequency                   |  |
| Compatible Anticoagulants               |  |
| Reagent Volume                          |  |
| AU400/AU640                             |  |
| AU480/AU680/AU2700/AU5400               |  |
| AU5800                                  |  |
| Sample Type                             |  |
| Sample Size (AU400/AU640)               |  |
| Sample Size (AU480/AU680/AU2700/AU5400) |  |
| Sample Size (AU5800)                    |  |
| Analytical Range                        |  |
| Reference Interval                      |  |
| Precision Specification                 |  |
| Comment(s)                              |  |

**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| <b>Abbreviation</b>                                     |
| <b>Kit: AU400/AU640</b>                                 |
| <b>Kit: AU480/AU680/AU2700/<br/>AU5400</b>              |
| <b>Kit: AU5800</b>                                      |
| <b>Calibrator Part Number</b>                           |
| <b>Control Name (Part Number)</b>                       |
| <b>Measurement Principle</b>                            |
| <b>Reaction Type</b>                                    |
| <b>Primary Wavelength</b>                               |
| <b>Measuring Points</b>                                 |
| <b>Liquid or Lyophilized</b>                            |
| <b>Onboard Stability</b>                                |
| <b>Storage Temperature</b>                              |
| <b>Calibration Frequency</b>                            |
| <b>Compatible Anticoagulants</b>                        |
| <b>Reagent Volume</b>                                   |
| <b>AU400/AU640</b>                                      |
| <b>AU480/AU680/AU2700/<br/>AU5400</b>                   |
| <b>AU5800</b>   |
| <b>Sample Type</b>                                      |
| <b>Sample Size<br/>(AU400/AU640)</b>                    |
| <b>Sample Size<br/>(AU480/AU680/AU2700/<br/>AU5400)</b> |
| <b>Sample Size<br/>(AU5800)</b>                         |
| <b>Cutoff Level</b>                                     |
| <b>Analytical Range (URR)</b>                           |
| <b>Comment(s)</b>                                       |

| <b>Amphetamines (300 cutoff)</b>                                      | <b>Amphetamines (500 cutoff)</b>                                      |
|---|---|
| <b>AMPH+</b>  | <b>AMPH+</b>  |
| <b>OSR9C229 (2 x 200 tests)</b>                                       | <b>OSR9C229 (2 x 200 tests)</b>                                       |
| <b>OSR9C229 (2 x 200 tests)</b>                                       | <b>OSR9C229 (2 x 200 tests)</b>                                       |
| <b>OSR9C229 (2 x 200 tests)</b>                                       | <b>OSR9C229 (2 x 200 tests)</b>                                       |
| <b>9A529</b>  | <b>9A549</b>  |
| <b>No specific recommendation</b>                                     | <b>No specific recommendation</b>                                     |
| <b>Emit* II Plus</b>  | <b>Emit* II Plus</b>  |
| <b>Fixed</b>  | <b>Fixed</b>  |
| <b>340 nm</b>   | <b>340 nm</b>   |
| <b>13, 15</b>   | <b>13, 15</b>   |
| <b>Liquid</b>   | <b>Liquid</b>   |
| <b>28 days</b>  | <b>28 days</b>  |
| <b>+2 to +8°C</b>   | <b>+2 to +8°C</b>   |
| <b>14 days</b>  | <b>14 days</b>  |
| <b>N/A</b>  | <b>N/A</b>  |
| <b>R1 = 150, R2 = 65</b>  | <b>R1 = 150, R2 = 65</b>  |
| <b>R1 = 150, R2 = 65<br/>(AU480: R1 = 105, R2 = 46)</b>               | <b>R1 = 150, R2 = 65<br/>(AU480: R1 = 105, R2 = 46)</b>               |
| <b>R1 = 105, R2 = 46</b>  | <b>R1 = 105, R2 = 46</b>  |
| <b>Urine</b>  | <b>Urine</b>  |
| <b>Serum/Plasma: N/A<br/>Urine: 5 µL<br/>CSF: N/A</b>                 | <b>Serum/Plasma: N/A<br/>Urine: 3 µL<br/>CSF: N/A</b>                 |
| <b>Serum/Plasma: N/A<br/>Urine: 5 µL (AU480: 3.5 µL)<br/>CSF: N/A</b> | <b>Serum/Plasma: N/A<br/>Urine: 3 µL (AU480: 2.1 µL)<br/>CSF: N/A</b> |
| <b>Serum/Plasma: N/A<br/>Urine: 3.5 µL<br/>CSF: N/A</b>               | <b>Serum/Plasma: N/A<br/>Urine: 2.1 µL<br/>CSF: N/A</b>               |
| <b>Serum/Plasma: N/A<br/>Urine: 300 ng/mL<br/>CSF: N/A</b>            | <b>Serum/Plasma: N/A<br/>Urine: 500 ng/mL<br/>CSF: N/A</b>            |
| <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>         | <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>         |
| <b>Not available in Puerto Rico</b>                                   | <b>Not available in Puerto Rico</b>                                   |

**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| Abbreviation                                    |
| Kit: AU400/AU540                                |
| Kit: AU480/AU580/AU2700/<br>AU5400              |
| Kit: AU5800                                     |
| Calibrator Part Number                          |
| Control Name (Part Number)                      |
| Measurement Principle                           |
| Reaction Type                                   |
| Primary Wavelength                              |
| Measuring Points                                |
| Liquid or Lyophilized                           |
| Onboard Stability                               |
| Storage Temperature                             |
| Calibration Frequency                           |
| Compatible Anticoagulants                       |
| Reagent Volume                                  |
| AU400/AU540                                     |
| AU480/AU580/AU2700/<br>AU5400                   |
| AU5800  |
| Sample Type                                     |
| Sample Size:<br>(AU400/AU540)                   |
| Sample Size:<br>(AU480/AU580/AU2700/<br>AU5400) |
| Sample Size:<br>(AU5800)                        |
| Cutoff Level                                    |
| Analytical Range (UDR)                          |
| Comment(s)                                      |

| Amphetamines (1000 cutoff)                                   | Amphetamines (300 cutoff/semi-quantitative)                  |
|--|--|
| <b>AMPH+</b>   | <b>AMPH+</b>   |
| OSR9C229 (2 x 200 tests)                                     | OSR9C229 (2 x 200 tests)                                     |
| OSR9C229 (2 x 200 tests)                                     | OSR9C229 (2 x 200 tests)                                     |
| OSR9C229 (2 x 200 tests)                                     | OSR9C229 (2 x 200 tests)                                     |
| 9A569  | 9A529, 9A549, 9A569  |
| No specific recommendation                                   | No specific recommendation                                   |
| Emit* II Plus  | Emit* II Plus  |
| Fixed  | Fixed  |
| 340 nm   | 340 nm   |
| 13, 15   | 13, 15   |
| Liquid   | Liquid   |
| 28 days  | 28 days  |
| +2 to +8°C   | +2 to +8°C   |
| 14 days  | 14 days  |
| N/A  | N/A  |
| R1 = 158, R2 = 68  | R1 = 150, R2 = 85  |
| R1 = 158, R2 = 68<br>(AU480: R1 = 126, R2 = 54)              | R1 = 150, R2 = 65<br>(AU480: R1 = 105, R2 = 46)              |
| R1 = 126, R2 = 54  | R1 = 105, R2 = 46  |
| Urine  | Urine  |
| Serum/Plasma: N/A<br>Urine: 2 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 5 µL<br>CSF: N/A                 |
| Serum/Plasma: N/A<br>Urine: 2 µL (AU480: 1.6 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 5 µL (AU480: 3.5 µL)<br>CSF: N/A |
| Serum/Plasma: N/A<br>Urine: 1.6 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 3.5 µL<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 1000 ng/mL<br>CSF: N/A           | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
| Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
| Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |



**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Cutoff Level                            |
| Analytical Range (UGB)                  |
| Comment(s)                              |

| Amphetamines (RNI cutoff/semi-quantitative)                  | Amphetamines (1000 cutoff/semi-quantitative)                 |
|--|--|
| AMPH+  | AMPH+  |
| OSR9C229 (2 x 200 tests)                                     | OSR9C229 (2 x 200 tests)                                     |
| OSR9C229 (2 x 200 tests)                                     | OSR9C229 (2 x 200 tests)                                     |
| OSR9C229 (2 x 200 tests)                                     | OSR9C229 (2 x 200 tests)                                     |
| 9A529, 9A549, 9A569<br>No specific recommendation            | 9A529, 9A549, 9A569, 9A609<br>No specific recommendation     |
| Emit* II Plus  | Emit* II Plus  |
| Fixed  | Fixed  |
| 340 nm   | 340 nm   |
| 13, 15   | 13, 15   |
| Liquid   | Liquid   |
| 28 days  | 28 days  |
| +2 to +8°C   | +2 to +8°C   |
| 14 days  | 14 days  |
| N/A  | N/A  |
| R1 = 150, R2 = 65  | R1 = 158, R2 = 68  |
| R1 = 150, R2 = 65<br>(AU480: R1 = 105, R2 = 46)              | R1 = 158, R2 = 68<br>(AU480: R1 = 126, R2 = 54)              |
| R1 = 105, R2 = 46  | R1 = 126, R2 = 54  |
| Urine  | Urine  |
| Serum/Plasma: N/A<br>Urine: 3 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 2 µL<br>CSF: N/A                 |
| Serum/Plasma: N/A<br>Urine: 3 µL (AU480: 2.1 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 2 µL (AU480: 1.6 µL)<br>CSF: N/A |
| Serum/Plasma: N/A<br>Urine: 2.1 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 1.6 µL<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 500 ng/mL<br>CSF: N/A            | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
| Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: 1000 µg/L<br>CSF: N/A            |
| Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |

**DRUGS OF ABUSE TESTING (DAT)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit:</b> AU400/AU640                        |
| <b>Kit:</b> AU480/AU680/AU2700/AU5400          |
| <b>Kit:</b> AU5800                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| AU400/AU640                                    |
| AU480/AU680/AU2700/AU5400                      |
| AU5800   |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Cutoff Level</b>                            |
| <b>Analytical Range (URR)</b>                  |
| <b>Comment(s)</b>                              |

|  | Barbiturate (200 cutoff)                                     | Barbiturate (300 cutoff)                                     |
|--|--|--|
|  | <b>BARB+</b>   | <b>BARB+</b>   |
|  | OSR90229 (2 x 200 tests)                                     | OSR90229 (2 x 200 tests)                                     |
|  | OSR90229 (2 x 200 tests)                                     | OSR90229 (2 x 200 tests)                                     |
|  | OSR90229 (2 x 200 tests)                                     | OSR90229 (2 x 200 tests)                                     |
|  | 9A569  | 9A599  |
|  | No specific recommendation                                   | No specific recommendation                                   |
|  | Emit* II Plus  | Emit* II Plus  |
|  | Fixed  | Fixed  |
|  | 340 nm   | 340 nm   |
|  | 15, 19   | 15, 19   |
|  | Liquid   | Liquid   |
|  | 60 days  | 60 days  |
|  | +2 to +8°C   | +2 to +8°C   |
|  | 14 days  | 14 days  |
|  | N/A  | N/A  |
|  | R1 = 140, R2 = 60  | R1 = 140, R2 = 60  |
|  | R1 = 140, R2 = 60<br>(AU480: R1 = 98, R2 = 42)               | R1 = 140, R2 = 60<br>(AU480: R1 = 98, R2 = 42)               |
|  | R1 = 98, R2 = 42   | R1 = 98, R2 = 42   |
|  | Urine  | Urine  |
|  | Serum/Plasma: N/A<br>Urine: 6 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 6 µL<br>CSF: N/A                 |
|  | Serum/Plasma: N/A<br>Urine: 6 µL (AU480: 4.2 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 6 µL (AU480: 4.2 µL)<br>CSF: N/A |
|  | Serum/Plasma: N/A<br>Urine: 4.2 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 4.2 µL<br>CSF: N/A               |
|  | Serum/Plasma: N/A<br>Urine: 200 ng/mL<br>CSF: N/A            | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
|  | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
|  | Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |

**DRUGS OF ABUSE TESTING (DAT)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Cutoff Level</b>                            |
| <b>Analytical Range (UGB)</b>                  |
| <b>Comment(s)</b>                              |

| Barbiturate (semi-quantitative)                           | Barbiturate, Tox  |
|---|---|
| BARB+   | TBARB   |
| OSR9D229 (2 x 200 tests)                                  | 7D119 (235 tests)   |
| OSR9D229 (2 x 200 tests)                                  | 7D119 (235 tests)   |
| OSR9D229 (2 x 200 tests)                                  | 7D119 (235 tests)   |
| 9A549, 9A569, 9A589, 9A609                                | 7B019   |
| No specific recommendation                                | No specific recommendation                                |
| Emit* II Plus   | Emit* tox   |
| Fixed   | Fixed   |
| 340 nm  | 340 nm  |
| 15, 19  | 12, 16  |
| Liquid  | Lyophilized   |
| 60 days   | 35 days   |
| +2 to +8°C  | +2 to +8°C  |
| 14 days   | 1 day   |
| N/A   | Heparin, Oxalate, EDTA                                    |
| R1 = 140, R2 = 60   | R1 = 100, R2 = 100  |
| R1 = 140, R2 = 60<br>(AU480: R1 = 98, R2 = 42)            | R1 = 100, R2 = 100<br>(AU480: R1 = 80, R2 = 80)           |
| R1 = 98, R2 = 42  | R1 = 80, R2 = 80  |
| Urine   | Urine   |
| Serum/Plasma N/A<br>Urine 6 µL<br>CSF N/A                 | Serum/Plasma 3 µL<br>Urine N/A<br>CSF N/A                 |
| Serum/Plasma N/A<br>Urine 6 µL (AU480: 4.2 µL)<br>CSF N/A | Serum/Plasma 3 µL (AU480: 2.4 µL)<br>Urine N/A<br>CSF N/A |
| Serum/Plasma N/A<br>Urine 4.2 µL<br>CSF N/A               | Serum/Plasma 2.4 µL<br>Urine N/A<br>CSF N/A               |
| Serum/Plasma N/A<br>Urine 200/300 ng/mL<br>CSF N/A        | Serum/Plasma N/A<br>Urine N/A<br>CSF N/A                  |
| Serum/Plasma N/A<br>Urine User-defined<br>CSF N/A         | Serum/Plasma User-defined<br>Urine N/A<br>CSF N/A         |
| Not available in Puerto Rico                              | User-defined reagent<br>Not available in Puerto Rico      |

**DRUGS OF ABUSE TESTING (DAT)**

|  | <b>Benzodiazepine (200 cutoff)</b>                                    | <b>Benzodiazepine (300 cutoff)</b>                                    |
|--|---|---|
| <b>Abbreviation</b>                                | <b>BENZ+</b>  | <b>BENZ+</b>  |
| <b>Kit: AU400/AU640</b>                            | <b>OSR9F229 (2 x 200 tests)</b>                                       | <b>OSR9F229 (2 x 200 tests)</b>                                       |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>              | <b>OSR9F229 (2 x 200 tests)</b>                                       | <b>OSR9F229 (2 x 200 tests)</b>                                       |
| <b>Kit: AU5800</b>                                 | <b>OSR9F229 (2 x 200 tests)</b>                                       | <b>OSR9F229 (2 x 200 tests)</b>                                       |
| <b>Calibrator Part Number</b>                      | <b>9A569</b>  | <b>9A569</b>  |
| <b>Control Name (Part Number)</b>                  | <b>No specific recommendation</b>                                     | <b>No specific recommendation</b>                                     |
| <b>Measurement Principle</b>                       | <b>Emit* II Plus</b>  | <b>Emit* II Plus</b>  |
| <b>Reaction Type</b>                               | <b>Fixed</b>  | <b>Fixed</b>  |
| <b>Primary Wavelength</b>                          | <b>340 nm</b>   | <b>340 nm</b>   |
| <b>Measuring Points</b>                            | <b>15, 19</b>   | <b>15, 19</b>   |
| <b>Liquid or Lyophilized</b>                       | <b>Liquid</b>   | <b>Liquid</b>   |
| <b>Onboard Stability</b>                           | <b>60 days</b>  | <b>60 days</b>  |
| <b>Storage Temperature</b>                         | <b>+2 to +8°C</b>   | <b>+2 to +8°C</b>   |
| <b>Calibration Frequency</b>                       | <b>14 days</b>  | <b>14 days</b>  |
| <b>Compatible Anticoagulants</b>                   | <b>N/A</b>  | <b>N/A</b>  |
| <b>Reagent Volume:</b>                             |   |   |
| <b>AU400/AU640</b>                                 | <b>R1 = 140, R2 = 60</b>  | <b>R1 = 140, R2 = 60</b>  |
| <b>AU480/AU680/AU2700/AU5400</b>                   | <b>R1 = 140, R2 = 60<br/>(AU480: R1 = 98, R2 = 42)</b>                | <b>R1 = 140, R2 = 60<br/>(AU480: R1 = 98, R2 = 42)</b>                |
| <b>AU5800</b>                                      | <b>R1 = 98, R2 = 42</b>   | <b>R1 = 98, R2 = 42</b>   |
| <b>Sample Type</b>                                 | <b>Urine</b>  | <b>Urine</b>  |
| <b>Sample Size<br/>(AU400/AU640)</b>               | <b>Serum/Plasma: N/A<br/>Urine: 6 µL<br/>CSF: N/A</b>                 | <b>Serum/Plasma: N/A<br/>Urine: 6 µL<br/>CSF: N/A</b>                 |
| <b>Sample Size<br/>(AU480/AU680/AU2700/AU5400)</b> | <b>Serum/Plasma: N/A<br/>Urine: 6 µL (AU480: 4.2 µL)<br/>CSF: N/A</b> | <b>Serum/Plasma: N/A<br/>Urine: 6 µL (AU480: 4.2 µL)<br/>CSF: N/A</b> |
| <b>Sample Size<br/>(AU5800)</b>                    | <b>Serum/Plasma: N/A<br/>Urine: 4.2 µL<br/>CSF: N/A</b>               | <b>Serum/Plasma: N/A<br/>Urine: 4.2 µL<br/>CSF: N/A</b>               |
| <b>Cutoff Level</b>                                | <b>Serum/Plasma: N/A<br/>Urine: 200 ng/mL<br/>CSF: N/A</b>            | <b>Serum/Plasma: N/A<br/>Urine: 300 ng/mL<br/>CSF: N/A</b>            |
| <b>Analytical Range (UR)</b>                       | <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>         | <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>         |
| <b>Comment(s)</b>                                  | <b>Not available in Puerto Rico</b>                                   | <b>Not available in Puerto Rico</b>                                   |

**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| <b>Abbreviation</b>                                     |
| <b>Kit: AU400/AU640</b>                                 |
| <b>Kit: AU480/AU680/AU2700/<br/>AU5400</b>              |
| <b>Kit: AU5800</b>                                      |
| <b>Calibrator Part Number</b>                           |
| <b>Control Name (Part Number)</b>                       |
| <b>Measurement Principle</b>                            |
| <b>Reaction Type</b>                                    |
| <b>Primary Wavelength</b>                               |
| <b>Measuring Points</b>                                 |
| <b>Liquid or Lyophilized</b>                            |
| <b>Onboard Stability</b>                                |
| <b>Storage Temperature</b>                              |
| <b>Calibration Frequency</b>                            |
| <b>Compatible Anticoagulants</b>                        |
| <b>Reagent Volume</b>                                   |
| <b>AU400/AU640</b>                                      |
| <b>AU480/AU680/AU2700/<br/>AU5400</b>                   |
| <b>AU5800</b>   |
| <b>Sample Type</b>                                      |
| <b>Sample Size<br/>(AU400/AU640)</b>                    |
| <b>Sample Size<br/>(AU480/AU680/AU2700/<br/>AU5400)</b> |
| <b>Sample Size<br/>(AU5800)</b>                         |
| <b>Cutoff Level</b>                                     |
| <b>Analytical Range (UGR)</b>                           |
| <b>Comment(s)</b>                                       |

| Benzodiazepine (semi-quantitative)                           | Benzodiazepine, Tox  |
|--|--|
| <b>BENZ+</b>   | <b>TBENZ</b>   |
| OSR9F229 (2 x 200 tests)                                     | 7B119 (300 tests)  |
| OSR9F229 (2 x 200 tests)                                     | 7B119 (300 tests)  |
| OSR9F229 (2 x 200 tests)                                     | 7B119 (300 tests)  |
| 9A549, 9A589, 9A589, 9A809                                   | 7B019  |
| No specific recommendation                                   | No specific recommendation                                   |
| <b>Emit* II Plus</b>   | <b>Emit* tox</b>   |
| <b>Fixed</b>   | <b>Fixed</b>   |
| <b>340 nm</b>  | <b>340 nm</b>  |
| <b>15, 19</b>  | <b>13, 15</b>  |
| <b>Liquid</b>  | <b>Lyophilized</b>   |
| <b>60 days</b>   | <b>35 days</b>   |
| <b>+2 to +8°C</b>  | <b>+2 to +8°C</b>  |
| <b>14 days</b>   | <b>1 day</b>   |
| <b>N/A</b>   | <b>Heparin, Oxalate, EDTA</b>                                |
| <b>R1 = 140, R2 = 60</b>                                     | <b>R1 = 75, R2 = 75</b>                                      |
| <b>R1 = 140, R2 = 60<br/>(AU480: R1 = 98, R2 = 42)</b>       | <b>R1 = 75, R2 = 75<br/>(AU480: R1 = 60, R2 = 60)</b>        |
| <b>R1 = 98, R2 = 42</b>                                      | <b>R1 = 60, R2 = 60</b>                                      |
| <b>Urine</b>   | <b>Serum/Plasma</b>  |
| Serum/Plasma: N/A<br>Urine: 6 µL<br>CSF: N/A                 | Serum/Plasma: 2.5 µL<br>Urine: N/A<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 6 µL (AU480: 4.2 µL)<br>CSF: N/A | Serum/Plasma: 2.5 µL (AU480: 2 µL)<br>Urine: N/A<br>CSF: N/A |
| Serum/Plasma: N/A<br>Urine: 4.2 µL<br>CSF: N/A               | Serum/Plasma: 2.0 µL<br>Urine: N/A<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 200/300 ng/mL<br>CSF: N/A        | Serum/Plasma: N/A<br>Urine: N/A<br>CSF: N/A                  |
| Serum/Plasma: N/A<br>Urine: <b>User-defined</b><br>CSF: N/A  | Serum/Plasma: <b>User-defined</b><br>Urine: N/A<br>CSF: N/A  |
| Not available in Puerto Rico                                 | User-defined reagent<br>Not available in Puerto Rico         |

**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| <b>Abbreviation</b>                                     |
| <b>Kit: AU400/AU640</b>                                 |
| <b>Kit: AU480/AU680/AU2700/<br/>AU5400</b>              |
| <b>Kit: AU5800</b>                                      |
| <b>Calibrator Part Number</b>                           |
| <b>Control Name (Part Number)</b>                       |
| <b>Measurement Principle</b>                            |
| <b>Reaction Type</b>                                    |
| <b>Primary Wavelength</b>                               |
| <b>Measuring Points</b>                                 |
| <b>Liquid or Lyophilized</b>                            |
| <b>Onboard Stability</b>                                |
| <b>Storage Temperature</b>                              |
| <b>Calibration Frequency</b>                            |
| <b>Compatible Anticoagulants</b>                        |
| <b>Reagent Volume</b>                                   |
| <b>AU400/AU640</b>                                      |
| <b>AU480/AU680/AU2700/<br/>AU5400</b>                   |
| <b>AU5800</b>   |
| <b>Sample Type</b>                                      |
| <b>Sample Size<br/>(AU400/AU640)</b>                    |
| <b>Sample Size<br/>(AU480/AU680/AU2700/<br/>AU5400)</b> |
| <b>Sample Size<br/>(AU5800)</b>                         |
| <b>Cutoff Level</b>                                     |
| <b>Analytical Range (UOR)</b>                           |
| <b>Comment(s)</b>                                       |

|  | <b>Cannabinoid (20 cutoff)</b>                                       | <b>Cannabinoid (50 cutoff)</b>  |
|--|--|---|
|  | <b>THC20+</b>  | <b>THC50+</b>   |
|  | <b>OSR9N229 (2 x 200 tests)</b>                                      | <b>OSR9N229 (2 x 200 tests)</b>   |
|  | <b>OSR9N229 (2 x 200 tests)</b>                                      | <b>OSR9N229 (2 x 200 tests)</b>   |
|  | <b>OSR9N229 (2 x 200 tests)</b>                                      | <b>OSR9N229 (2 x 200 tests)</b>   |
|  | <b>9A549</b>   | <b>9A589</b>  |
|  | <b>No specific recommendation</b>                                    | <b>No specific recommendation</b>                                       |
|  | <b>Emit<sup>®</sup> II Plus</b>                                      | <b>Emit<sup>®</sup> II Plus</b>   |
|  | <b>Fixed</b>   | <b>Fixed</b>  |
|  | <b>340 nm</b>  | <b>340 nm</b>   |
|  | <b>15, 20</b>  | <b>15, 20</b>   |
|  | <b>Liquid</b>  | <b>Liquid</b>   |
|  | <b>60 days</b>   | <b>60 days</b>  |
|  | <b>+2 to +8°C</b>  | <b>+2 to +8°C</b>   |
|  | <b>14 days</b>   | <b>14 days</b>  |
|  | <b>N/A</b>   | <b>N/A</b>  |
|  | <b>R1 = 140, R2 = 60</b>   | <b>R1 = 140, R2 = 60</b>  |
|  | <b>R1 = 140, R2 = 60<br/>(AU480: R1 = 98, R2 = 42)</b>               | <b>R1 = 140, R2 = 60<br/>(AU480: R1 = 98, R2 = 42)</b>                  |
|  | <b>R1 = 98, R2 = 42</b>  | <b>R1 = 98, R2 = 42</b>   |
|  | <b>Urine</b>   | <b>Urine</b>  |
|  | <b>Serum/Plasma: N/A<br/>Urine: 10 µL<br/>CSF: N/A</b>               | <b>Serum/Plasma: N/A<br/>Urine: 4.5 µL<br/>CSF: N/A</b>                 |
|  | <b>Serum/Plasma: N/A<br/>Urine: 10 µL (AU480: 7 µL)<br/>CSF: N/A</b> | <b>Serum/Plasma: N/A<br/>Urine: 4.5 µL (AU480: 3.2 µL)<br/>CSF: N/A</b> |
|  | <b>Serum/Plasma: N/A<br/>Urine: 7.0 µL<br/>CSF: N/A</b>              | <b>Serum/Plasma: N/A<br/>Urine: 3.2 µL<br/>CSF: N/A</b>                 |
|  | <b>Serum/Plasma: N/A<br/>Urine: 20 ng/mL<br/>CSF: N/A</b>            | <b>Serum/Plasma: N/A<br/>Urine: 50 ng/mL<br/>CSF: N/A</b>               |
|  | <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>        | <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>           |
|  | <b>Not available in Puerto Rico</b>                                  | <b>Not available in Puerto Rico</b>                                     |

**DRUGS OF ABUSE TESTING (DAT)**

|  |
|--|
| Abbreviation                                   |
| Kit: AU400/AU640                               |
| Kit: AU480/AU680/AU2700/<br>AU5400             |
| Kit: AU5800                                    |
| Calibrator Part Number                         |
| Control Name (Part Number)                     |
| Measurement Principle                          |
| Reaction Type                                  |
| Primary Wavelength                             |
| Measuring Points                               |
| Liquid or Lyophilized                          |
| Onboard Stability                              |
| Storage Temperature                            |
| Calibration Frequency                          |
| Compatible Anticoagulants                      |
| Reagent Volume                                 |
| AU400/AU640                                    |
| AU480/AU680/AU2700/<br>AU5400                  |
| AU5800   |
| Sample Type                                    |
| Sample Size<br>(AU400/AU640)                   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
| Sample Size<br>(AU5800)                        |
| Cutoff Level                                   |
| Analytical Range (UOR)                         |
| Comment(s)                                     |

| Countdown (100 tests)                                       | Countdown (semi-quantitative)                               |
|---|---|
| <b>THC100+</b>  | <b>THC50+</b>   |
| OSR9N229 (2 x 200 tests)                                    | OSR9N229 (2 x 200 tests)                                    |
| OSR9N229 (2 x 200 tests)                                    | OSR9N229 (2 x 200 tests)                                    |
| OSR9N229 (2 x 200 tests)                                    | OSR9N229 (2 x 200 tests)                                    |
| 9A589   | 9A589, 9A589, 9A639   |
| No specific recommendation                                  | No specific recommendation                                  |
| Emit* II Plus   | Emit* II Plus   |
| Fixed   | Fixed   |
| 340 nm  | 340 nm  |
| 15, 20  | 15, 20  |
| Liquid  | Liquid  |
| 60 days   | 60 days   |
| +2 to +8°C  | +2 to +8°C  |
| 14 days   | 14 days   |
| N/A   | N/A   |
| R1 = 160, R2 = 40   | R1 = 140, R2 = 60   |
| R1 = 160, R2 = 40<br>(AU480: R1 = 112, R2 = 28)             | R1 = 140, R2 = 60<br>(AU480: R1 = 98, R2 = 42)              |
| R1 = 112, R2 = 28   | R1 = 98, R2 = 42  |
| Urine   | Urine   |
| Serum/Plasma N/A<br>Urine 3.5 µL<br>CSF N/A                 | Serum/Plasma N/A<br>Urine 4.5 µL<br>CSF N/A                 |
| Serum/Plasma N/A<br>Urine 3.5 µL (AU480: 2.5 µL)<br>CSF N/A | Serum/Plasma N/A<br>Urine 4.5 µL (AU480: 3.2 µL)<br>CSF N/A |
| Serum/Plasma N/A<br>Urine 2.5 µL<br>CSF N/A                 | Serum/Plasma N/A<br>Urine 3.2 µL<br>CSF N/A                 |
| Serum/Plasma N/A<br>Urine 100 ng/mL<br>CSF N/A              | Serum/Plasma N/A<br>Urine 20/50/100 ng/mL<br>CSF N/A        |
| Serum/Plasma N/A<br>Urine User-defined<br>CSF N/A           | Serum/Plasma N/A<br>Urine User-defined<br>CSF N/A           |
| Not available in Puerto Rico                                | Not available in Puerto Rico                                |

**DRUGS OF ABUSE TESTING (DAT)**

**Cocaine Metabolite (150 cutoff)**

**Cocaine Metabolite (300 cutoff)**

|  |
|--|
| Abbreviation                                   |
| Kit: AU400/AU640                               |
| Kit: AU480/AU680/AU2700/<br>AU5400             |
| Kit: AU5800                                    |
| Calibrator Part Number                         |
| Control Name (Part Number)                     |
| Measurement Principle                          |
| Reaction Type                                  |
| Primary Wavelength                             |
| Measuring Points                               |
| Liquid or Lyophilized                          |
| Onboard Stability                              |
| Storage Temperature                            |
| Calibration Frequency                          |
| Compatible Anticoagulants                      |
| Reagent Volume                                 |
| AU400/AU640                                    |
| AU480/AU680/AU2700/<br>AU5400                  |
| AU5800   |
| Sample Type                                    |
| Sample Size<br>(AU400/AU640)                   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
| Sample Size<br>(AU5800)                        |
| Cutoff Level                                   |
| Analytical Range (UR)                          |
| Comment(s)                                     |

|  | Cocaine Metabolite (150 cutoff)                              | Cocaine Metabolite (300 cutoff)                              |
|--|--|--|
|  | COCA+  | COCA+  |
|  | OSR9H229 (2 x 200 tests)                                     | OSR9H229 (2 x 200 tests)                                     |
|  | OSR9H229 (2 x 200 tests)                                     | OSR9H229 (2 x 200 tests)                                     |
|  | OSR9H229 (2 x 200 tests)                                     | OSR9H229 (2 x 200 tests)                                     |
|  | 9A549  | 9A589  |
|  | No specific recommendation                                   | No specific recommendation                                   |
|  | Emit <sup>®</sup> II Plus                                    | Emit <sup>®</sup> II Plus                                    |
|  | Fixed  | Fixed  |
|  | 340 nm   | 340 nm   |
|  | 15, 19   | 15, 19   |
|  | Liquid   | Liquid   |
|  | 60 days  | 60 days  |
|  | +2 to +8°C   | +2 to +8°C   |
|  | 14 days  | 14 days  |
|  | N/A  | N/A  |
|  | R1 = 130, R2 = 55  | R1 = 130, R2 = 55  |
|  | R1 = 130, R2 = 55<br>(AU480: R1 = 91, R2 = 39)               | R1 = 130, R2 = 55<br>(AU480: R1 = 91, R2 = 39)               |
|  | R1 = 91, R2 = 39   | R1 = 91, R2 = 39   |
|  | Urine  | Urine  |
|  | Serum/Plasma: N/A<br>Urine: 9 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 9 µL<br>CSF: N/A                 |
|  | Serum/Plasma: N/A<br>Urine: 9 µL (AU480: 6.3 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 9 µL (AU480: 6.3 µL)<br>CSF: N/A |
|  | Serum/Plasma: N/A<br>Urine: 6.3 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 6.3 µL<br>CSF: N/A               |
|  | Serum/Plasma: N/A<br>Urine: 150 ng/mL<br>CSF: N/A            | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
|  | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
|  | Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |



**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Cutoff Level                            |
| Analytical Range (DOB)                  |
| Comment(s)                              |

| Cocaine Metabolite (semi-quantitative)                       | Ecstasy (AM/urine)   |
|--|--|
| <b>COCA+</b>   | <b>XTC</b>   |
| OSR9H229 (2 x 200 tests)                                     | OSR9X229 (2 x 200 tests)                                     |
| OSR9H229 (2 x 200 tests)                                     | OSR9X229 (2 x 200 tests)                                     |
| OSR9H229 (2 x 200 tests)                                     | OSR9X229 (2 x 200 tests)                                     |
| 9A549, 9A569, 9A589, 9A609                                   | 9A509, 9R549, 9R589  |
| No specific recommendation                                   | No specific recommendation                                   |
| Emit* II Plus  | Emit* II Plus  |
| Fixed  | Fixed  |
| 340 nm   | 340 nm   |
| 15, 19   | 13, 15   |
| Liquid   | Liquid   |
| 60 days  | 28 days  |
| +2 to +8°C   | +2 to +8°C   |
| 14 days  | 14 days  |
| N/A  | N/A  |
| R1 = 130, R2 = 55  | R1 = 130, R2 = 55  |
| R1 = 130, R2 = 55<br>(AU480: R1 = 91, R2 = 39)               | R1 = 130, R2 = 55<br>(AU480: R1 = 91, R2 = 39)               |
| R1 = 91, R2 = 39   | R1 = 91, R2 = 39   |
| Urine  | Urine  |
| Serum/Plasma: N/A<br>Urine: 9 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 7 µL<br>CSF: N/A                 |
| Serum/Plasma: N/A<br>Urine: 9 µL (AU480: 6.3 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 7 µL (AU480: 4.9 µL)<br>CSF: N/A |
| Serum/Plasma: N/A<br>Urine: 6.3 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 4.9 µL<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 150/300 ng/mL<br>CSF: N/A        | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
| Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
| Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |

**DRUGS OF ABUSE TESTING (DAT)**

|  |
|--|
| Abbreviation                                   |
| Kit: AU400/AU640                               |
| Kit: AU480/AU680/AU2700/<br>AU5400             |
| Kit: AU5800                                    |
| Calibrator Part Number                         |
| Control Name (Part Number)                     |
| Measurement Principle                          |
| Reaction Type                                  |
| Primary Wavelength                             |
| Measuring Points                               |
| Liquid or Lyophilized                          |
| Onboard Stability                              |
| Storage Temperature                            |
| Calibration Frequency                          |
| Compatible Anticoagulants                      |
| Reagent Volume                                 |
| AU400/AU640                                    |
| AU480/AU680/AU2700/<br>AU5400                  |
| AU5800   |
| Sample Type                                    |
| Sample Size<br>(AU400/AU640)                   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
| Sample Size<br>(AU5800)                        |
| Cutoff Level                                   |
| Analytical Range (UDR)                         |
| Comment(s)                                     |

| Ecstasy (500 cutoff)   | Ecstasy (300 cutoff/semi-quantitative)                       |
|--|--|
| XTC  | XTC  |
| OSR9X229 (2 x 200 tests)                                     | OSR9X229 (2 x 200 tests)                                     |
| OSR9X229 (2 x 200 tests)                                     | OSR9X229 (2 x 200 tests)                                     |
| OSR9X229 (2 x 200 tests)                                     | OSR9X229 (2 x 200 tests)                                     |
| 9A509, 9R569, 9R589  | 9A509, 9R529, 9R549, 9R569                                   |
| No specific recommendation                                   | No specific recommendation                                   |
| Emit* II Plus  | Emit* II Plus  |
| Fixed  | Fixed  |
| 340 nm   | 340 nm   |
| 13, 15   | 13, 15   |
| Liquid   |  |
| 28 days  | 28 days  |
| +2 to +8°C   | +2 to +8°C   |
| 14 days  | 14 days  |
| N/A  | N/A  |
| R1 = 130, R2 = 55  | R1 = 130, R2 = 55  |
| R1 = 130, R2 = 55<br>(AU480: R1 = 91, R2 = 39)               | R1 = 130, R2 = 55<br>(AU480: R1 = 91, R2 = 39)               |
| R1 = 91, R2 = 39   | R1 = 91, R2 = 39   |
| Urine  | Urine  |
| Serum/Plasma: N/A<br>Urine: 5 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 7 µL<br>CSF: N/A                 |
| Serum/Plasma: N/A<br>Urine: 5 µL (AU480: 3.5 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 7 µL (AU480: 4.9 µL)<br>CSF: N/A |
| Serum/Plasma: N/A<br>Urine: 3.5 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 4.9 µL<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 500 ng/mL<br>CSF: N/A            | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
| Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
| Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |

**DRUGS OF ABUSE TESTING (DAT)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Cutoff Level</b>                            |
| <b>Analytical Range (DOB)</b>                  |
| <b>Comment(s)</b>                              |

| <b>Cocaine (500 cutoff/semi-quantitative)</b>                      | <b>Ethyl Alcohol</b>  |
|--|---|
| <b>XTC</b>   | <b>ETOH+</b>  |
| <b>DSR9X229 (2 x 200 tests)</b>                                    | <b>OSR9K229 (2 x 130 tests)</b>   |
| <b>OSR9X229 (2 x 200 tests)</b>                                    | <b>OSR9K229 (2 x 130 tests)</b>   |
| <b>OSR9X229 (2 x 200 tests)</b>                                    | <b>DSR9K229 (2 x 130 tests)</b>   |
| <b>9A529, 9A549, 9A569, 9A589</b>                                  | <b>9K029, 9K059</b>   |
| <b>No specific recommendation</b>                                  | <b>Ethyl Alcohol Low Control (9K049), Ethyl Alcohol High Control (9K079)</b>        |
| <b>Emit* II Plus</b>   | <b>Emit* II Plus</b>  |
| <b>Fixed</b>   | <b>Fixed</b>  |
| <b>340 nm</b>  | <b>340 nm</b>   |
| <b>13, 15</b>  | <b>12, 16</b>   |
| <b>28 days</b>   | <b>60 days</b>  |
| <b>+2 to +8°C</b>  | <b>+2 to +8°C</b>   |
| <b>14 days</b>   | <b>14 days</b>  |
| <b>N/A</b>   | <b>Heparin, Oxalate/Fluoride, EDTA, Citrate</b>                                     |
| <b>R1 = 130, R2 = 55</b>   | <b>R1 = 210, R2 = 90</b>  |
| <b>R1 = 130, R2 = 55<br/>(AU480: R1 = 91, R2 = 39)</b>             | <b>R1 = 210, R2 = 90<br/>(AU480: R1 = 147, R2 = 63)</b>                             |
| <b>R1 = 91, R2 = 39</b>  | <b>R1 = 147, R2 = 63</b>  |
| <b>Urine</b>   | <b>Serum/Plasma/Urine</b>   |
| <b>Serum/Plasma N/A<br/>Urine 5 µL<br/>CSF N/A</b>                 | <b>Serum/Plasma 4 µL<br/>Urine 4 µL<br/>CSF N/A</b>                                 |
| <b>Serum/Plasma N/A<br/>Urine 5 µL (AU480: 3.5 µL)<br/>CSF N/A</b> | <b>Serum/Plasma 4 µL (AU480: 2.8 µL)<br/>Urine 4 µL (AU480: 2.8 µL)<br/>CSF N/A</b> |
| <b>Serum/Plasma N/A<br/>Urine 3.5 µL<br/>CSF N/A</b>               | <b>Serum/Plasma 2.8 µL<br/>Urine 2.8 µL<br/>CSF N/A</b>                             |
| <b>Serum/Plasma N/A<br/>Urine 500 ng/mL<br/>CSF N/A</b>            | <b>Serum/Plasma N/A<br/>Urine N/A<br/>CSF N/A</b>                                   |
| <b>Serum/Plasma N/A<br/>Urine User-defined<br/>CSF N/A</b>         | <b>Serum/Plasma 10-600 mg/dL<br/>Urine 10-600 mg/dL<br/>CSF N/A</b>                 |
| <b>Not available in Puerto Rico</b>                                | <b>Not available in Puerto Rico</b>   |

**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| Abbreviation:                           |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number:                 |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Cutoff Level                            |
| Analytical Range (UOR)                  |
| Comment(s)                              |

|  | LSD (0.5 cutoff)   | LSD (semi-quantitative)                                      |
|--|--|--|
|  | LSD  | LSD  |
|  | 9L039 (28mL kit)   | 9L039 (28mL kit)   |
|  | 9L039 (26mL kit)   | 9L039 (26mL kit)   |
|  | 9L039 (26mL kit)   | 9L039 (26mL kit)   |
|  | 9L009, 9L209, 9L309  | 9L009, 9L109, 9L209, 9L309                                   |
|  | LSD Level I Control (9L419), LSD Level II Control (9L519)    | LSD Level I Control (9L419), LSD Level II Control (9L519)    |
|  | Emut <sup>®</sup> II   | Emut <sup>®</sup> II   |
|  | Fixed  | Fixed  |
|  | 340 nm   | 340 nm   |
|  | 17, 27   | 22, 27   |
|  | Liquid   | Liquid   |
|  | 80 days  | 90 days  |
|  | +2 to +8°C   | +2 to +8°C   |
|  | 1 day  | 1 day  |
|  | N/A  | N/A  |
|  | R1 = 100, R2 = 50  | R1 = 100, R2 = 50  |
|  | R1 = 100, R2 = 50<br>(AU480: R1 = 80, R2 = 40)               | R1 = 100, R2 = 50<br>(AU480: R1 = 80, R2 = 40)               |
|  | R1 = 80, R2 = 40   | R1 = 80, R2 = 40   |
|  | Urine  | Urine  |
|  | Serum/Plasma: N/A<br>Urine: 20 µL<br>CSF: N/A                | Serum/Plasma: N/A<br>Urine: 20 µL<br>CSF: N/A                |
|  | Serum/Plasma: N/A<br>Urine: 20 µL (AU480: 16 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 20 µL (AU480: 16 µL)<br>CSF: N/A |
|  | Serum/Plasma: N/A<br>Urine: 16.0 µL<br>CSF: N/A              | Serum/Plasma: N/A<br>Urine: 16.0 µL<br>CSF: N/A              |
|  | Serum/Plasma: N/A<br>Urine: 0.5 ng/mL<br>CSF: N/A            | Serum/Plasma: N/A<br>Urine: 0.5 ng/mL<br>CSF: N/A            |
|  | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
|  | User-defined reagent<br>Not available in Puerto Rico         | User-defined reagent<br>Not available in Puerto Rico         |

**DRUGS OF ABUSE TESTING (DAT)**

|                                    |
|------------------------------------|
| Abbreviation                       |
| Kit: AU400/AU640                   |
| Kit: AU480/AU680/AU2700/<br>AU5400 |
| Kit: AU5800                        |
| Calibrator Part Number             |
| Control Name (Part Number)         |

|                       |
|-----------------------|
| Measurement Principle |
| Reaction Type         |
| Primary Wavelength    |
| Measuring Points      |

|                           |
|---------------------------|
| Liquid or Lyophilized     |
| Onboard Stability         |
| Storage Temperature       |
| Calibration Frequency     |
| Compatible Anticoagulants |
| Reagent Volume            |

|                               |
|-------------------------------|
| AU400/AU640                   |
| AU480/AU680/AU2700/<br>AU5400 |
| AU5800                        |

|                              |
|------------------------------|
| Sample Type                  |
| Sample Size<br>(AU400/AU640) |

|  |
|--|
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
|--|

|                         |
|-------------------------|
| Sample Size<br>(AU5800) |
|-------------------------|

|              |
|--------------|
| Cutoff Level |
|--------------|

|                        |
|------------------------|
| Analytical Range (URR) |
|------------------------|

|            |
|------------|
| Comment(s) |
|------------|

| Methamphetamine (100 cutoff)                                 | Methamphetamine (300 cutoff)                                 |
|--|--|
| <b>METH+</b>   | <b>METH+</b>   |
| OSR9E229 (2 x 200 tests)                                     | OSR9E229 (2 x 200 tests)                                     |
| OSR9E229 (2 x 200 tests)                                     | OSR9E229 (2 x 200 tests)                                     |
| OSR9E229 (2 x 200 tests)                                     | OSR9E229 (2 x 200 tests)                                     |
| <b>9A549</b>   | <b>9A569</b>   |
| No specific recommendation                                   | No specific recommendation                                   |
| <b>Emit* II Plus</b>   | <b>Emit* II Plus</b>   |
| Fixed  | Fixed  |
| 340 nm   | 340 nm   |
| 15, 19   | 15, 19   |
| Liquid   | Liquid   |
| 60 days  | 60 days  |
| +2 to +8°C   | +2 to +8°C   |
| 14 days  | 14 days  |
| N/A  | N/A  |
| R1 = 140, R2 = 60  | R1 = 140, R2 = 60  |
| R1 = 140, R2 = 60<br>(AU480: R1 = 98, R2 = 42)               | R1 = 140, R2 = 60<br>(AU480: R1 = 98, R2 = 42)               |
| R1 = 98, R2 = 42   | R1 = 98, R2 = 42   |
| <b>Urine</b>   | <b>Urine</b>   |
| Serum/Plasma: N/A<br>Urine: 6 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 6 µL<br>CSF: N/A                 |
| Serum/Plasma: N/A<br>Urine: 6 µL (AU480: 4.2 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 6 µL (AU480: 4.2 µL)<br>CSF: N/A |
| Serum/Plasma: N/A<br>Urine: 4.2 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 4.2 µL<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 150 ng/mL<br>CSF: N/A            | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
| Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
| Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |

**DRUGS OF ABUSE TESTING (DAT)**

**Methadone (semi-quantitative)**

**Methaqualone (300 cutoff)**

|  |  |
|--|--|
| <b>Abbreviation</b>                            |  |
| <b>Kit: AU400/AU640</b>                        |  |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |  |
| <b>Kit: AU5800</b>                             |  |
| <b>Calibrator Part Number</b>                  |  |
| <b>Control Name (Part Number)</b>              |  |
| <b>Measurement Principle</b>                   |  |
| <b>Reaction Type</b>                           |  |
| <b>Primary Wavelength</b>                      |  |
| <b>Measuring Points</b>                        |  |
| <b>Liquid or Lyophilized</b>                   |  |
| <b>Onboard Stability</b>                       |  |
| <b>Storage Temperature</b>                     |  |
| <b>Calibration Frequency</b>                   |  |
| <b>Compatible Anticoagulants</b>               |  |
| <b>Reagent Volume</b>                          |  |
| <b>AU400/AU640</b>                             |  |
| <b>AU480/AU680/AU2700/AU5400</b>               |  |
| <b>AU5800</b>                                  |  |
| <b>Sample Type</b>                             |  |
| <b>Sample Size (AU400/AU640)</b>               |  |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |  |
| <b>Sample Size (AU5800)</b>                    |  |
| <b>Cutoff Level</b>                            |  |
| <b>Analytical Range (UDR)</b>                  |  |
| <b>Comment(s)</b>                              |  |

|  | <b>METH-</b>  | <b>METQ+</b>  |
|--|---|---|
|  | <b>OSR9E229 (2 x 200 tests)</b>                                       | <b>OSR9Q229 (2 x 200 tests)</b>   |
|  | <b>OSR9E229 (2 x 200 tests)</b>                                       | <b>OSR9Q229 (2 x 200 tests)</b>   |
|  | <b>OSR9E229 (2 x 200 tests)</b>                                       | <b>OSR9Q229 (2 x 200 tests)</b>   |
|  | <b>9A549, 9A569, 9A589, 9A609</b>                                     | <b>9A569</b>  |
|  | <b>No specific recommendation</b>                                     | <b>No specific recommendation</b>                                       |
|  | <b>Emit<sup>®</sup> II Plus</b>                                       | <b>Emit<sup>®</sup> II Plus</b>   |
|  | <b>Fixed</b>  | <b>Fixed</b>  |
|  | <b>340 nm</b>   | <b>340 nm</b>   |
|  | <b>15, 19</b>   | <b>15, 19</b>   |
|  | <b>Liquid</b>   | <b>Liquid</b>   |
|  | <b>60 days</b>  | <b>60 days</b>  |
|  | <b>+2 to +8°C</b>   | <b>+2 to +8°C</b>   |
|  | <b>14 days</b>  | <b>14 days</b>  |
|  | <b>N/A</b>  | <b>N/A</b>  |
|  | <b>R1 = 140, R2 = 60</b>  | <b>R1 = 130, R2 = 55</b>  |
|  | <b>R1 = 140, R2 = 60<br/>(AU480: R1 = 98, R2 = 42)</b>                | <b>R1 = 130, R2 = 55<br/>(AU480: R1 = 91, R2 = 39)</b>                  |
|  | <b>R1 = 98, R2 = 42</b>   | <b>R1 = 91, R2 = 39</b>   |
|  | <b>Urine</b>  | <b>Urine</b>  |
|  | <b>Serum/Plasma: N/A<br/>Urine: 6 µL<br/>CSF: N/A</b>                 | <b>Serum/Plasma: N/A<br/>Urine: 5.5 µL<br/>CSF: N/A</b>                 |
|  | <b>Serum/Plasma: N/A<br/>Urine: 6 µL (AU480: 4.2 µL)<br/>CSF: N/A</b> | <b>Serum/Plasma: N/A<br/>Urine: 5.5 µL (AU480: 3.9 µL)<br/>CSF: N/A</b> |
|  | <b>Serum/Plasma: N/A<br/>Urine: 4.2 µL<br/>CSF: N/A</b>               | <b>Serum/Plasma: N/A<br/>Urine: 3.9 µL<br/>CSF: N/A</b>                 |
|  | <b>Serum/Plasma: N/A<br/>Urine: 150/300 ng/mL<br/>CSF: N/A</b>        | <b>Serum/Plasma: N/A<br/>Urine: 300 ng/mL<br/>CSF: N/A</b>              |
|  | <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>         | <b>Serum/Plasma: N/A<br/>Urine: User-defined<br/>CSF: N/A</b>           |
|  | <b>Not available in Puerto Rico</b>                                   | <b>Not available in Puerto Rico</b>                                     |

**DRUGS OF ABUSE TESTING (DAT)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU640</b>                        |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume</b>                          |
| <b>AU400/AU640</b>                             |
| <b>AU480/AU680/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU640)</b>               |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Cutoff Level</b>                            |
| <b>Analytical Range (UDR)</b>                  |
| <b>Comment(s)</b>                              |

| <b>Metamphetamines (semi-quantitative)</b>  | <b>Opiates (SUD cutoff)</b>   |
|---|---|
| <b>METQ+</b>  | <b>OPIA+</b>  |
| OSR9Q229 (2 x 200 tests)  | OSR9B229 (2 x 200 tests)  |
| OSR9Q229 (2 x 200 tests)  | OSR9B229 (2 x 200 tests)  |
| OSR9Q229 (2 x 200 tests)  | OSR9B229 (2 x 200 tests)  |
| 9A549, 9A569, 9A589, 9A609  | 9A529   |
| No specific recommendation  | No specific recommendation  |
| <b>Emit* II Plus</b>  | <b>Emit* II Plus</b>  |
| <b>Fixed</b>  | <b>Fixed</b>  |
| <b>340 nm</b>   | <b>340 nm</b>   |
| <b>15, 19</b>   | <b>16, 22</b>   |
| <b>Liquid</b>   | <b>Liquid</b>   |
| <b>60 days</b>  | <b>28 days</b>  |
| <b>+2 to +8°C</b>   | <b>+2 to +8°C</b>   |
| <b>14 days</b>  | <b>14 days</b>  |
| <b>N/A</b>  | <b>N/A</b>  |
| <b>R1 = 130, R2 = 55</b>  | <b>R1 = 134, R2 = 50</b>  |
| <b>R1 = 130, R2 = 55 (AU480: R1 = 91, R2 = 39)</b>                                | <b>R1 = 134, R2 = 50 (AU480: R1 = 94, R2 = 35)</b>                              |
| <b>R1 = 91, R2 = 39</b>   | <b>R1 = 94, R2 = 35</b>   |
| <b>Urine</b>  | <b>Urine</b>  |
| <b>Serum/Plasma N/A</b><br><b>Urine: 5.5 µL</b><br><b>CSF N/A</b>                 | <b>Serum/Plasma N/A</b><br><b>Urine: 8 µL</b><br><b>CSF N/A</b>                 |
| <b>Serum/Plasma N/A</b><br><b>Urine: 5.5 µL (AU480: 3.9 µL)</b><br><b>CSF N/A</b> | <b>Serum/Plasma N/A</b><br><b>Urine: 8 µL (AU480: 5.5 µL)</b><br><b>CSF N/A</b> |
| <b>Serum/Plasma N/A</b><br><b>Urine: 3.9 µL</b><br><b>CSF N/A</b>                 | <b>Serum/Plasma N/A</b><br><b>Urine: 5.6 µL</b><br><b>CSF N/A</b>               |
| <b>Serum/Plasma N/A</b><br><b>Urine: 300 ng/mL</b><br><b>CSF N/A</b>              | <b>Serum/Plasma N/A</b><br><b>Urine: 300 ng/mL</b><br><b>CSF N/A</b>            |
| <b>Serum/Plasma N/A</b><br><b>Urine: User-defined</b><br><b>CSF N/A</b>           | <b>Serum/Plasma N/A</b><br><b>Urine: User-defined</b><br><b>CSF N/A</b>         |
| <b>Not available in Puerto Rico</b>   | <b>Not available in Puerto Rico</b>   |

**DRUGS OF ABUSE TESTING (DAT)**

|   |
|---|
| Abbreviation                            |
| Kit: AU400/AU640                        |
| Kit: AU480/AU680/AU2700/AU5400          |
| Kit: AU5800                             |
| Calibrator Part Number                  |
| Control Name (Part Number)              |
| Measurement Principle                   |
| Reaction Type                           |
| Primary Wavelength                      |
| Measuring Points                        |
| Liquid or Lyophilized                   |
| Onboard Stability                       |
| Storage Temperature                     |
| Calibration Frequency                   |
| Compatible Anticoagulants               |
| Reagent Volume                          |
| AU400/AU640                             |
| AU480/AU680/AU2700/AU5400               |
| AU5800                                  |
| Sample Type                             |
| Sample Size (AU400/AU640)               |
| Sample Size (AU480/AU680/AU2700/AU5400) |
| Sample Size (AU5800)                    |
| Cutoff Level                            |
| Analytical Range (UGR)                  |
| Comment(s)                              |

| Opiates (2000 cutoff)  | Opiates (300 cutoff/semi-quantitative)                       |
|--|--|
| OPIA-  | OPIA+  |
| OSR9B229 (2 x 200 tests)                                     | OSR9B229 (2 x 200 tests)                                     |
| OSR9B229 (2 x 200 tests)                                     | OSR9B229 (2 x 200 tests)                                     |
| OSR9B229 (2 x 200 tests)                                     | OSR9B229 (2 x 200 tests)                                     |
| 9A569  | 9A569, 9A529, 9A549, 9A589                                   |
| No specific recommendation                                   | No specific recommendation                                   |
| Emit* II Plus  | Emit* II Plus  |
| Fixed  | Fixed  |
| 340 nm   | 340 nm   |
| 16, 22   | 16, 22   |
| Liquid   | Liquid   |
| 28 days  | 28 days  |
| +2 to +8°C   | +2 to +8°C   |
| 14 days  | 14 days  |
| N/A  | N/A  |
| R1 = 200, R2 = 75  | R1 = 134, R2 = 50  |
| R1 = 200, R2 = 75<br>(AU480: R1 = 140, R2 = 53)              | R1 = 134, R2 = 50<br>(AU480: R1 = 94, R2 = 35)               |
| R1 = 140, R2 = 53  | R1 = 94, R2 = 35   |
| Urine  | Urine  |
| Serum/Plasma: N/A<br>Urine: 3 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 8 µL<br>CSF: N/A                 |
| Serum/Plasma: N/A<br>Urine: 3 µL (AU480: 2.1 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 8 µL (AU480: 5.6 µL)<br>CSF: N/A |
| Serum/Plasma: N/A<br>Urine: 2.1 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 5.6 µL<br>CSF: N/A               |
| Serum/Plasma: N/A<br>Urine: 2000 ng/mL<br>CSF: N/A           | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
| Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
| Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |



**DRUGS OF ABUSE TESTING (DAT)**

|  | Opioids (2000 cutoff/semi-quantitative)                      | Oxycodone (100 cutoff)   |
|--|--|--|
| Abbreviation                                   | OPIA+  | OXY  |
| Kit: AU400/AU640                               | OSR9B229 (2 x 200 tests)                                     | 100248-(DR) 70 mL kit (650 tests/kit)<br>100249-(DR) 500 mL kit (5400 tests/kit) |
| Kit: AU480/AU680/AU2700/<br>AU5400             | OSR9B229 (2 x 200 tests)                                     | 100248-(DR) 70 mL kit (650 tests/kit)<br>100249-(DR) 500 mL kit (5400 tests/kit) |
| Kit: AU5800                                    | OSR9B229 (2 x 200 tests)                                     | 100248-(DR) 70 mL kit (650 tests/kit)<br>100249-(DR) 500 mL kit (5400 tests/kit) |
| Calibrator Part Number                         | 9A509, 9A549, 9A569, 9A609                                   | DR Calibrator 100250   |
| Control Name (Part Number)                     | No specific recommendation                                   | DR Oxycodone Control Kit 100 (100254)  |
| Measurement Principle                          | Emit* II Plus  | Homogeneous enzyme immunoassay   |
| Reaction Type                                  | Fixed  | Rate 1 (or Fixed 1)  |
| Primary Wavelength                             | 340 nm   | 340 nm   |
| Measuring Points                               | 16, 22   | 17, 21   |
| Liquid or Lyophilized                          | Liquid   | Liquid   |
| Onboard Stability                              | 28 days  | 30 days  |
| Storage Temperature                            | +2 to +8°C   | +2 to +8°C   |
| Calibration Frequency                          | 14 days  | 14 days  |
| Compatible Anticoagulants                      | N/A  | N/A  |
| Reagent Volume                                 |  |  |
| AU400/AU640                                    | R1 = 200, R2 = 75  | R1 = 87, R2 = 87   |
| AU480/AU680/AU2700/<br>AU5400                  | R1 = 200, R2 = 75<br>(AU480: R1 = 140, R2 = 53)              | R1 = 87, R2 = 87   |
| AU5800   | R1 = 140, R2 = 53  | R1 = 87, R2 = 87   |
| Sample Type                                    | Urine  | Urine  |
| Sample Size<br>(AU400/AU640)                   | Serum/Plasma: N/A<br>Urine: 3 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 14 µL<br>CSF: N/A                                    |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) | Serum/Plasma: N/A<br>Urine: 3 µL (AU480: 2.1 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 14 µL<br>CSF: N/A                                    |
| Sample Size<br>(AU5800)                        | Serum/Plasma: N/A<br>Urine: 2.1 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 14 µL<br>CSF: N/A                                    |
| Cutoff Level                                   | Serum/Plasma: N/A<br>Urine: 2000 ng/mL<br>CSF: N/A           | Serum/Plasma: N/A<br>Urine: 100 ng/mL<br>CSF: N/A                                |
| Analytical Range (UDR)                         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A                             |
| Comment(s)                                     | Not available in Puerto Rico                                 | User-defined reagent<br>Not available in Puerto Rico                             |

**DRUGS OF ABUSE TESTING (OAT)**

|  |
|--|
| <b>Abbreviation</b>                            |
| <b>Kit: AU400/AU540</b>                        |
| <b>Kit: AU480/AU880/AU2700/AU5400</b>          |
| <b>Kit: AU5800</b>                             |
| <b>Calibrator Part Number</b>                  |
| <b>Control Name (Part Number)</b>              |
| <b>Measurement Principle</b>                   |
| <b>Reaction Type</b>                           |
| <b>Primary Wavelength</b>                      |
| <b>Measuring Points</b>                        |
| <b>Liquid or Lyophilized</b>                   |
| <b>Onboard Stability</b>                       |
| <b>Storage Temperature</b>                     |
| <b>Calibration Frequency</b>                   |
| <b>Compatible Anticoagulants</b>               |
| <b>Reagent Volume:</b>                         |
| <b>AU400/AU540</b>                             |
| <b>AU480/AU880/AU2700/AU5400</b>               |
| <b>AU5800</b>                                  |
| <b>Sample Type</b>                             |
| <b>Sample Size (AU400/AU540)</b>               |
| <b>Sample Size (AU480/AU880/AU2700/AU5400)</b> |
| <b>Sample Size (AU5800)</b>                    |
| <b>Cutoff Level</b>                            |
| <b>Analytical Range (UGR)</b>                  |
| <b>Comment(s)</b>                              |

| Oxycodone (300 cutoff)   | Oxycodone (semi-quantitative)   |
|--|---|
| <b>OXY</b>   | <b>OXY</b>  |
| 100248-(DRI) 70 mL kit (650 tests/kit)<br>100249-(DRI) 500 mL kit (5400 tests/kit) | 100248-(DRI) 70 mL kit (650 tests/kit)<br>100249-(DRI) 500 mL kit (5400 tests/kit)  |
| 100248-(DRI) 70 mL kit (650 tests/kit)<br>100249-(DRI) 500 mL kit (5400 tests/kit) | 100248-(DRI) 70 mL kit (650 tests/kit)<br>100249-(DRI) 500 mL kit (5400 tests/kit)  |
| 100248-(DRI) 70 mL kit (650 tests/kit)<br>100249-(DRI) 500 mL kit (5400 tests/kit) | 100248-(DRI) 70 mL kit (650 tests/kit)<br>100249-(DRI) 500 mL kit (5400 tests/kit)  |
| DRI Calibrator: 100251   | DRI Calibrators: 160250, 100251, 100252, 100253, 1664/1388 - Neg. cal   |
| DRI Oxycodone Control Kit 300 (100255)   | DRI Oxycodone Control Kit 100 (100254), DRI Oxycodone Control Kit 300 (100255)  |
| <b>Homogeneous enzyme immunoassay</b>  | <b>Homogeneous enzyme immunoassay</b>   |
| <b>Rate (or Fixed)</b>   | <b>Rate 1 (or Fixed 1)</b>  |
| 340 nm   | 340 nm  |
| 17, 21   | 17, 21  |
| Liquid   | Liquid  |
| 30 days  | 30 days   |
| +2 to +8°C   | +2 to +8°C  |
| 14 days  | 14 days   |
| N/A  | N/A   |
|  |   |
| R1 = 87, R2 = 87   | R1 = 87, R2 = 87  |
| R1 = 87, R2 = 87   | R1 = 87, R2 = 87  |
| R1 = 87, R2 = 87   | R1 = 87, R2 = 87  |
| <b>Urine</b>   | <b>Urine</b>  |
| Serum/Plasma: N/A<br>Urine: 10.5 µL<br>CSF: N/A                                    | Serum/Plasma: N/A<br>Urine: 10.5 µL<br>CSF: N/A   |
| Serum/Plasma: N/A<br>Urine: 10.5 µL<br>CSF: N/A                                    | Serum/Plasma: N/A<br>Urine: 10.5 µL<br>CSF: N/A   |
| Serum/Plasma: N/A<br>Urine: 10.5 µL<br>CSF: N/A                                    | Serum/Plasma: N/A<br>Urine: 10.5 µL<br>CSF: N/A   |
| Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A                                  | Serum/Plasma: N/A<br>Urine: 100/300 ng/mL<br>CSF: N/A   |
| Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A                               | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A  |
| User-defined reagent<br>Not available in Puerto Rico                               | User-defined reagent<br>The negative calibrator 1664 has a 10 mL volume and the 1388 has a 25 mL volume<br>Not available in Puerto Rico |

**DRUGS OF ABUSE TESTING (DAT)**

|  |
|--|
| Abbreviation                                   |
| Kit: AU400/AU640                               |
| Kit: AU480/AU680/AU2700/<br>AU5400             |
| Kit: AU5800                                    |
| Calibrator Part Number                         |
| Control Name (Part Number)                     |
| Measurement Principle                          |
| Reaction Type                                  |
| Primary Wavelength                             |
| Measuring Points                               |
| Liquid or Lyophilized                          |
| Onboard Stability                              |
| Storage Temperature                            |
| Calibration Frequency                          |
| Compatible Anticoagulants                      |
| Reagent Volume                                 |
| AU400/AU640                                    |
| AU480/AU680/AU2700/<br>AU5400                  |
| AU5800   |
| Sample Type                                    |
| Sample Size<br>(AU400/AU640)                   |
| Sample Size<br>(AU480/AU680/AU2700/<br>AU5400) |
| Sample Size<br>(AU5800)                        |
| Cutoff Level                                   |
| Analytical Range (URR)                         |
| Comment(s)                                     |

| Phencyclidine (25 cutoff)                                 | Phencyclidine (semi-quantitative)                         |
|---|---|
| PCP+  | PCP+  |
| OSR9J229 (2 x 200 tests)                                  | OSR9J229 (2 x 200 tests)                                  |
| OSR9J229 (2 x 200 tests)                                  | OSR9J229 (2 x 200 tests)                                  |
| OSR9J229 (2 x 200 tests)                                  | OSR9J229 (2 x 200 tests)                                  |
| 9A569   | 9A546, 9A569, 9A589, 9A609                                |
| No specific recommendation                                | No specific recommendation                                |
| Emit* II Plus   | Emit* II Plus   |
| Fixed   | Fixed   |
| 340 nm  | 340 nm  |
| 15, 19  | 15, 19  |
| Liquid  | Liquid  |
| 60 days   | 60 days   |
| -2 to +8°C  | +2 to +8°C  |
| 14 days   | 14 days   |
| N/A   | N/A   |
| R1 = 120, R2 = 50   | R1 = 120, R2 = 50   |
| R1 = 120, R2 = 50<br>(AU480: R1 = 84, R2 = 35)            | R1 = 120, R2 = 50<br>(AU480: R1 = 84, R2 = 35)            |
| R1 = 84, R2 = 35  | R1 = 84, R2 = 35  |
| Urine   | Urine   |
| Serum/Plasma N/A<br>Urine 7 µL<br>CSF N/A                 | Serum/Plasma N/A<br>Urine 7 µL<br>CSF N/A                 |
| Serum/Plasma N/A<br>Urine 7 µL (AU480: 4.9 µL)<br>CSF N/A | Serum/Plasma N/A<br>Urine 7 µL (AU480: 4.9 µL)<br>CSF N/A |
| Serum/Plasma N/A<br>Urine 4.9 µL<br>CSF N/A               | Serum/Plasma N/A<br>Urine 4.9 µL<br>CSF N/A               |
| Serum/Plasma N/A<br>Urine 25 ng/mL<br>CSF N/A             | Serum/Plasma N/A<br>Urine 25 ng/mL<br>CSF N/A             |
| Serum/Plasma N/A<br>Urine User-defined<br>CSF N/A         | Serum/Plasma N/A<br>Urine User-defined<br>CSF N/A         |
| Not available in Puerto Rico                              | Not available in Puerto Rico                              |

**DRUGS OF ABUSE TESTING (DAT)**

|  | <b>Propoxyphene (300 cutoff)</b>                             | <b>Propoxyphene (semi-quantitative)</b>                      |
|--|--|--|
| <b>Abbreviation</b>                            | PPX+   | PPX+   |
| <b>Kit: AU400/AU640</b>                        | OSR9G229 (2 x 200 tests)                                     | OSR9G229 (2 x 200 tests)                                     |
| <b>Kit: AU480/AU680/AU2700/AU5400</b>          | OSR9G229 (2 x 200 tests)                                     | OSR9G229 (2 x 200 tests)                                     |
| <b>Kit: AU5800</b>                             | OSR9G229 (2 x 200 tests)                                     | OSR9G229 (2 x 200 tests)                                     |
| <b>Calibrator Part Number</b>                  | 9A569  | 9A549, 9A569, 9A589  |
| <b>Control Name (Part Number)</b>              | No specific recommendation                                   | No specific recommendation                                   |
| <b>Measurement Principle</b>                   | Emit* II Plus  | Emit* II Plus  |
| <b>Reaction Type</b>                           | Fixed  | Fixed  |
| <b>Primary Wavelength</b>                      | 340 nm   | 340 nm   |
| <b>Measuring Points</b>                        | 15, 19   | 15, 19   |
| <b>Liquid or Lyophilized</b>                   | Liquid   | Liquid   |
| <b>Onboard Stability</b>                       | 60 days  | 60 days  |
| <b>Storage Temperature</b>                     | +2 to +8°C   | +2 to +8°C   |
| <b>Calibration Frequency</b>                   | 14 days  | 14 days  |
| <b>Compatible Anticoagulants</b>               | N/A  | N/A  |
| <b>Reagent Volume</b>                          |  |  |
| <b>AU400/AU640</b>                             | R1 = 120, R2 = 50  | R1 = 120, R2 = 50  |
| <b>AU480/AU680/AU2700/AU5400</b>               | R1 = 120, R2 = 50<br>(AU480: R1 = 84, R2 = 35)               | R1 = 120, R2 = 50<br>(AU480: R1 = 84, R2 = 35)               |
| <b>AU5800</b>                                  | R1 = 84, R2 = 35   | R1 = 84, R2 = 35   |
| <b>Sample Type</b>                             | Urine  | Urine  |
| <b>Sample Size (AU400/AU640)</b>               | Serum/Plasma: N/A<br>Urine: 7 µL<br>CSF: N/A                 | Serum/Plasma: N/A<br>Urine: 7 µL<br>CSF: N/A                 |
| <b>Sample Size (AU480/AU680/AU2700/AU5400)</b> | Serum/Plasma: N/A<br>Urine: 7 µL (AU480: 4.9 µL)<br>CSF: N/A | Serum/Plasma: N/A<br>Urine: 7 µL (AU480: 4.9 µL)<br>CSF: N/A |
| <b>Sample Size (AU5800)</b>                    | Serum/Plasma: N/A<br>Urine: 4.9 µL<br>CSF: N/A               | Serum/Plasma: N/A<br>Urine: 4.9 µL<br>CSF: N/A               |
| <b>Cutoff Level</b>                            | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            | Serum/Plasma: N/A<br>Urine: 300 ng/mL<br>CSF: N/A            |
| <b>Analytical Range (UGR)</b>                  | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         | Serum/Plasma: N/A<br>Urine: User-defined<br>CSF: N/A         |
| <b>Comment(s)</b>                              | Not available in Puerto Rico                                 | Not available in Puerto Rico                                 |

**DRUGS OF ABUSE TESTING (DAT)**

|   |   |
|---|---|
| Abbreviation                            | Tricyclics, Tox   |
| Kit: AU400/AU640                        | TRICY   |
| Kit: AU480/AU680/AU2700/AU5400          | 7C209 (300 tests)   |
| Kit: AU5800                             | 7C209 (300 tests)   |
| Calibrator Part Number                  | 7C219   |
| Control Name (Part Number)              | No specific recommendation                                |
| Measurement Principle                   | Emit* tox   |
| Reaction Type                           | Fixed   |
| Primary Wavelength                      | 340 nm  |
| Measuring Points                        | 13, 15  |
| Liquid or Lyophilized                   | Lyophilized   |
| Onboard Stability                       | 35 days   |
| Storage Temperature                     | +2 to +8°C  |
| Calibration Frequency                   | 1 day   |
| Compatible Anticoagulants               | Heparin, Oxalate, EDTA                                    |
| Reagent Volume                          |   |
| AU400/AU640                             | R1 = 75, R2 = 75  |
| AU480/AU680/AU2700/AU5400               | R1 = 75, R2 = 75<br>(AU480: R1 = 60, R2 = 60)             |
| AU5800                                  | R1 = 60, R2 = 60  |
| Sample Type                             | Serum/Plasma  |
| Sample Size (AU400/AU640)               | Serum/Plasma 2.5 µL<br>Urine N/A<br>CSF N/A               |
| Sample Size (AU480/AU680/AU2700/AU5400) | Serum/Plasma 2.5 µL (AU480: 2 µL)<br>Urine N/A<br>CSF N/A |
| Sample Size (AU5800)                    | Serum/Plasma N/A<br>Urine 2.0 µL<br>CSF N/A               |
| Cutoff Level                            | Serum/Plasma N/A<br>Urine N/A<br>CSF N/A                  |
| Analytical Range (UOB)                  | Serum/Plasma: User-defined<br>Urine N/A<br>CSF N/A        |
| Comment(s)                              | User-defined reagent<br>Not available in Puerto Rico      |

|   |    |   |        |  |    |
|---|----|---|--------|--|----|
| Acetaminophen.....                                | 32 | Cocaine Metabolite (150 cutoff) .....     | 52     | Methaqualone (semi-quantitative).....      | 58 |
| Alanine Aminotransferase (IFCC).....              | 1  | Cocaine Metabolite (300 cutoff) .....     | 52     | Methotrexate .....                         | 36 |
| Albumin .....                                     | 1  | Cocaine Metabolite (semi-quantitative) .. | 53     | Microalbumin.....                          | 24 |
| Alkaline Phosphatase.....                         | 2  | Complement 3.....                         | 19     | N-Acetylprocainamide.....                  | 37 |
| Alpha-1-Acidglycoprotein .....                    | 18 | Complement 4.....                         | 20     | Opiates (300 cutoff).....                  | 58 |
| Alpha-1-Antitrypsin.....                          | 18 | C-Reactive Protein.....                   | 20, 21 | Opiates (300 cutoff/semi-quantitative)...  | 60 |
| Amikacin.....                                     | 32 | C-Reactive Protein, High Sensitivity..... | 21     | Opiates (2000 cutoff).....                 | 60 |
| Ammonia.....                                      | 27 | Creatine Kinase.....                      | 6      | Opiates (2000 cutoff/semi-quantitative)... | 61 |
| Amphetamines (300 cutoff).....                    | 43 | Creatine Kinase MB .....                  | 28     | Oxycodone (100 cutoff) .....               | 61 |
| Amphetamines (300 cutoff/semi-quantitative).....  | 44 | Creatinine.....                           | 5      | Oxycodone (300 cutoff) .....               | 62 |
| Amphetamines (500 cutoff).....                    | 43 | D-Dimer.....                              | 28     | Oxycodone (semi-quantitative).....         | 62 |
| Amphetamines (500 cutoff/semi-quantitative) ..... | 45 | Digoxin.....                              | 34     | Phencyclidine (25 cutoff) .....            | 63 |
| Amphetamines (1000 cutoff).....                   | 44 | Direct Bilirubin.....                     | 6, 7   | Phencyclidine (semi-quantitative).....     | 63 |
| Amphetamines (1000 cutoff/semi-quantitative)..... | 45 | Disopyramide.....                         | 34     | Phenobarbital .....                        | 37 |
| Amylase .....                                     | 2  | Ecstasy (300 cutoff) .....                | 53     | Phenytoin .....                            | 38 |
| Anti-Streptolysin O .....                         | 17 | Ecstasy (300 cutoff/semi-quantitative) .. | 54     | Phosphorus (Inorganic).....                | 11 |
| Apolipoprotein A1.....                            | 17 | Ecstasy (500 cutoff) .....                | 54     | Potassium.....                             | 66 |
| Apolipoprotein B .....                            | 18 | Ecstasy (500 cutoff/semi-quantitative) .. | 55     | Prealbumin .....                           | 25 |
| Aspartate Aminotransferase (IFCC).....            | 3  | Ethosuximide.....                         | 35     | Primidone.....                             | 38 |
| Barbiturate (200 cutoff) .....                    | 46 | Ethyl Alcohol.....                        | 55     | Procainamide .....                         | 39 |
| Barbiturate (300 cutoff) .....                    | 46 | Ferritin.....                             | 22     | Propoxyphene (300 cutoff) .....            | 64 |
| Barbiturate (semi-quantitative) .....             | 47 | Gamma-Glutamyltransferase .....           | 7      | Propoxyphene (semi-quantitative).....      | 64 |
| Barbiturate, Tox .....                            | 47 | Gentamicin .....                          | 35     | Quinidine .....                            | 39 |
| Benzodiazepine (200 cutoff).....                  | 48 | Glucose.....                              | 8      | Rheumatoid Factor .....                    | 25 |
| Benzodiazepine (300 cutoff).....                  | 48 | Haptoglobin .....                         | 22     | Salicylic Acid.....                        | 40 |
| Benzodiazepine (semi-quantitative) .....          | 49 | HDL Cholesterol .....                     | 8      | Sodium.....                                | 67 |
| Benzodiazepine, Tox .....                         | 49 | Hemoglobin A1c (IFCC/NGSP) .....          | 29     | Theophylline .....                         | 40 |
| Beta-2 Microglobulin.....                         | 18 | Immunoglobulin A .....                    | 23     | Thyroxine.....                             | 31 |
| Bicarbonate.....                                  | 3  | Immunoglobulin G.....                     | 23     | Tobramycin.....                            | 41 |
| Caffeine .....                                    | 33 | Immunoglobulin M .....                    | 24     | Total Bilirubin .....                      | 12 |
| Calcium Arsenazo.....                             | 4  | Iron .....                                | 9      | Total Protein .....                        | 12 |
| Calcium oCPC.....                                 | 4  | Lactate .....                             | 29     | Transferrin.....                           | 28 |
| Cannabinoid (20 cutoff) .....                     | 50 | Lactate Dehydrogenase (IFCC).....         | 10     | Tricyclics, Tox.....                       | 65 |
| Cannabinoid (50 cutoff).....                      | 50 | LDL Cholesterol.....                      | 9      | Triglyceride .....                         | 13 |
| Cannabinoid (100 cutoff) .....                    | 51 | Lidocaine.....                            | 36     | T-Uptake.....                              | 31 |
| Cannabinoid (semi-quantitative).....              | 51 | Lipase .....                              | 10     | Unsaturated Iron Binding Capacity.....     | 13 |
| Carbamazepine.....                                | 33 | Lithium .....                             | 30     | Urea Nitrogen.....                         | 14 |
| Ceruloplasmin .....                               | 18 | LSD (0.5 cutoff) .....                    | 56     | Uric Acid.....                             | 14 |
| Chloride .....                                    | 66 | LSD (semi-quantitative) .....             | 56     | Urinary/CSF Protein.....                   | 15 |
| Cholesterol .....                                 | 5  | Magnesium .....                           | 11     | Valproic Acid.....                         | 41 |
| Cholinesterase.....                               | 27 | Methadone (150 cutoff).....               | 57     | Vancomycin .....                           | 42 |
|   |    | Methadone (300 cutoff).....               | 57     |  |    |
|   |    | Methadone (semi-quantitative).....        | 58     |  |    |
|   |    | Methaqualone (300 cutoff) .....           | 58     |  |    |



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