

SOLE SOURCE DETERMINATION

The Purchasing Division has been requested to approve a sole source purchase for the commodity or service described below. Pursuant to West Virginia Code 5A-3-10c, the Purchasing Division is attempting to determine whether the commodity or service is a sole source procurement. If you believe your company meets the required experience and qualification criteria stated below, please e-mail the Purchasing Division Buyer at Krista.S.Ferrell@wv.gov with a copy to Karen.Q.Byrd@wv.gov to express your interest in the project. Please forward any and all information that will support your company's compliance with required qualification and eligibility criteria along with any other pertinent information relative to this project to the Purchasing Division no later than February 15, 2008.

Requisition Number: AGR0870

Department/Agency: Dept. of Agriculture

Detailed Description of Project:

The WV Dept. of Agriculture seeks to acquire a Liquid Handling System for the Poultry Diagnostic Laboratory in Moorefield, WV. This purchase is part of the Avian Influenza High Throughput Equipment Implementation project to double the testing capacity for avian influenza in National Animal Health Laboratory. The laboratories of the NAHLN provide space and personnel necessary to ensure that the U.S. has the capacity and capability to detect and respond to an animal disease outbreak. One of the pieces of equipment needed in each laboratory to implement the high throughput process is a liquid handling system, which improves the ability to rapidly detect AI and allows for effective response to control its spread. Having effective surveillance capabilities will allow early detection of an incursion of HPAI and thereby decrease response time and facilitate exportation of poultry and poultry products to US trading partners.

Proposed Sole Source Vendor: Beckman Coulter, Inc.
250 S. Kraemer Blvd. W513
Brea, CA 92821

Specific Eligibility Criteria:

N/A

Specific Qualification Criteria: See Attached Specifications

West Virginia Department of Agriculture

Request for Quotation

Liquid Handling System

The West Virginia Department of Agriculture (WVDA) seeks to acquire a liquid handling system for the poultry diagnostic laboratory located at Moorefield, WV. The product must meet the requirements and technical specifications outlined in the following section.

Technical Specifications

- Must have a 96 channel dispensing head and the ability to process 384 well and 96 well plates.
- The liquid handler must have the option to add a multichannel head with selective tip shucking and the option for specialized serial dilution to enhance low volume serial dilutions for compound addition.
- The system must offer simple "drag and drop" icon programming for the creation of new methods, thereby reducing operator training time.
- The liquid handling platform must have an integrated gripper for the movement of plates, tip boxes, and automated DNA/RNA extraction modules.
- The system must support a variety of DNA/RNA purification chemistries via the use of vacuum filtration and magnetic bead extraction/purification.
- The liquid handler must be able to use Agencourt methods in a fully automated format and provider must be able to guarantee performance of these chemistries on the system.
- Must be able to pipette accurately from 1 microliter to 250 microliters.
- The work surface of the liquid handler deck must offer at least 15 microplate deck positions.
- The liquid handler must be able to stack microtiter plates 4 high on each deck position.
- The total microplate processing capacity on the deck must be at least 36 plates.

- The liquid handler must provide the ability to store up to 17 additional plates or 5 tip boxes to reduce the need for labware storage attached to the instrument.
- The system must provide for 96 and 384 well microplate heating and cooling capability at a variety of temperature ranges (0 to 90 degrees F).
- The system must provide for automatic tip loading and unloading.
- The size dimensions must not exceed: Height 44 inches; Width 42 inches; Depth 32 inches.
- The liquid handling system must provide for completely automatic self-calibration to provide for positional accuracy.

- The operating system must provide simple rearraying between 96 and 384 well formats.
- The operating system software must have simulation software for desktop method writing and visual viewing of the method written. The robotic simulation must be a 360 degree view of the robot and allow for observation of the robotic execution of the method written. The software must also provide the total amount of time that it will take to run the method written.
- The software must support predefined pipetting techniques that include low volume pipetting controls, taking into account the variability in viscosity/surface tension from one reagent/solvent to another.
- The system must have the minimum of a one (1) year warranty for all parts, labor, travel and include installation, start up training, and support for validated applications. The contractor must include in their services travel to the site to install and start up the equipment and train the staff on use of the equipment.