

MICROBIOLOGIST 1

Nature of Work: Performs entry level professional microbiological examinations in a public health laboratory environment. Work is performed under the close supervision of a higher level microbiologist.

Distinguishing Characteristics: Differs from microbiologist classes of a higher level by the lesser degree of independence and responsibility and the routine nature of the diagnostic procedures performed.

Examples of Work: (NOTE: The examples of work listed in this class specification are not necessarily descriptive of any one position in the class. The omission of specific statements does not preclude management from assigning specific duties not listed herein if such duties are a logical assignment to the position.)

Performs a variety of standardized bacteriologic and serologic examinations.

Performs routine Quality Control procedures, records results and notifies Supervisor of unusual findings.

Carries out primary isolation techniques of microorganisms; prepares media and reagents.

Prepares laboratory equipment and/or scientific instrumentation for use in conducting diagnostic procedures.

Compiles and maintains records on the characteristics of the organisms identified.

Processes a variety of clinical specimens to identify pathogenic bacteria; processes nose and throat cultures to identify such organisms as Group A beta hemolytic streptococcus, genital specimens for gonococcus; makes preliminary identification on the basis of gross morphology, microscopic examination, and biochemical tests.

Knowledge, Skills and Abilities

Knowledge of the principles and procedures of scientific analyses in the areas of bacteriology, parasitology, virology, serology, organic chemistry and related microbiological procedures.

Knowledge of the preparation of chemical reagents, culture media, stains, compounds, and solutions required in scientific testing.

Knowledge of the operation, calibration and maintenance of applicable laboratory equipment.

Skill in the performance of routine microbiological analyses.

Ability to comprehend and execute oral and written directions, formulae and charts.

MICROBIOLOGIST 1 (CONT'D)

Minimum Qualifications:

Training: Graduation from an accredited four-year college or university with a minimum of twenty-five (25) semester hours in physical science courses including a course in microbiology and eight (8) semester hours in chemistry.

OR

A bachelor's degree from an accredited four-year college or university in medical technology with a minimum of fifteen (15) semester hours in microbiology.

Established: 8/20/92

Revised: 6/14/95

Effective: 7/1/95