

MICROBIOLOGIST 3

Nature of Work: Under limited supervision performs highly responsible professional microbiological and/or biological examinations and research in a public health laboratory. Work is performed independently and may involve lead worker responsibility over lower level staff. May conduct on-site inspections of facilities for regulatory conformance.

Distinguishing Characteristics: Differs from Microbiologist 2 by the degree of difficulty and complexity of the tests performed. Differs from the Microbiologist Supervisor by the absence of line supervision of subordinate staff.

Examples of Work: (NOTE: The examples of work as 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 technically difficult or supplementary tests required in the analyses of complex specimens, prepares reports on results of tests.

Assists in the assignment, training, and evaluation of lower level microbiologists and nonprofessional laboratory personnel.

Oversees and participates in maintenance of work area and equipment; orders supplies.

Oversees performance of specialized activities such as automated cell counters of milk, DNA/RNA probes, Rabies testing, hepatitis and other complex confirmatory analyses.

Provides information to physicians and others regarding laboratory reports.

Performs Enzyme immunoassay and western blot techniques for the confirmed identification of HIV. Analyzes blood samples for helminths and protozoa.

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 complex and advanced microbiological analyses.

MICROBIOLOGIST 3 (CONT'D)**Knowledge, Skills and Abilities (cont'd)**

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

Ability to communicate effectively both orally and in writing.

Ability to lead the work of others.

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.

Experience: Three years of full-time or equivalent part-time paid experience as a microbiologist.

Substitution: Graduate training in microbiology may be substituted for the required experience on a year-for-year basis for a maximum of two years.

Established: 6/14/95

Effective: 7/1/95