

**LABORATORY MICROBIOLOGIST**

**Duties and Responsibilities**

Under general supervision, performs scientific laboratory work of a routine technical nature with some exercise of independent judgment and initiative in accordance with the provisions of the New York City Health Code. The following are typical assignments within this class of positions. All personnel perform related work as required.

**Assignment Level I**

In certified specialty or subspecialty areas (including bacteriology, serology, mycology, virology, parasitology, hematology, immunohematology, and virology, among others), performs routine clinical laboratory tests and procedures, for diagnosis and treatment, requiring limited professional ability, on specimens submitted to the laboratory, and records results on report forms and record books. Process specimens: cultures, isolates and identifies microorganisms, prepares and examines slides and smears; and tests in the areas as listed above.

Operates and maintains laboratory equipment and performs quality control procedures.

Prepares, packages labels and standardizes laboratory media, reagents and controls, so that the laboratory is adequately supplied.

Prepares reports, makes entries on charts, maintains data and other records on a daily, weekly or monthly basis, as mandated.

May supervise subordinate. personnel, as needed.

LABORATORY MICROBIOLOGIST (continued)

Assignment Level II

In certified specialty or subspecialty areas (including bacteriology, serology, mycology, virology, parasitology, hematology, immunohematology, and virology, among others), performs routine clinical laboratory tests and analyses and assists with complex analyses on material derived from the human body and other specimens submitted to the laboratory; in areas outside of specialty, under direct supervision, performs functions which require limited technical skill. Records results on laboratory report forms and record books.

In water pollution control assignments, performs laboratory tests for fecal matter and microscopic algae; performs biochemical, and plankton, zooplankton and other species analyses.

Participates in non-routine testing in connection with research programs in the specialty or subspecialty utilizing standard laboratory tests and making minor modifications which are acceptable in good laboratory practice. Records all pertinent data in detail.

Maintains a program of quality control and participates in all proficiency testing programs.

Keeps laboratory records and prepares reports.

Assists in on-the-job or classroom training of subordinates, new personnel and other persons, as required. May supervise subordinate employees. Under direction, reviews work of subordinates and evaluates work performance; takes corrective action when needed to maintain the work of the unit at a satisfactory level.

Orders and maintains adequate amounts of media, reagents and other supplies or assists supervisor with this function.

**LABORATORY MICROBIOLOGIST** (continued)

**Qualification Requirements**

1. A baccalaureate degree from an accredited college with a major in the biological, chemical or physical sciences or Medical Technology, and one year of acceptable laboratory experience; or
2. An associate degree in Medical Technology, or 60 college credits from an accredited college including one year of mathematics and either one year of general chemistry or one year of biology; and three years of acceptable laboratory experience or training; or

High School graduation and five years of clinical laboratory experience; and must have qualified in an examination given by the Department of Health. Registration with the American Society of Clinical Pathologists (Medical Technologist), or National Registry for Clinical Chemistry, or National Registry for Microbiology is acceptable to meet requirements.

**Direct Lines of Promotion**

**From:** Laboratory Associate (21512)      **To:** Associate Laboratory Microbiologist (21514)