

## SENIOR VIROLOGIST

DISTINGUISHING FEATURES OF THE CLASS: Under the general supervision of the Chief - Microbiological Services, an incumbent of this class supervises and performs laboratory tests for the tissue culture isolation, serologic diagnosis and molecular detection of specimens submitted for diagnostic evaluation for viruses, and Chlamydia, by local physicians and other laboratories. An incumbent is responsible for supervision and performance of diagnostic immunologic procedures for viruses, rickettsia, bacteria, mycoplasma, fungi, parasites, and other immunologic disorders. An incumbent is responsible for training new personnel in procedures used in the laboratory and in the proper quality control measures and safety precautions practiced in the virology laboratory. An incumbent of this class must be available for emergency, weekend and holiday work situations. In the absence of the Chief-Microbiological Services, is responsible for the proper performance of all laboratory procedures. The incumbent must maintain a satisfactory rating for the performance for those procedures for which approval has been granted to the laboratory by the New York State Department of Health.

### EXAMPLES OF WORK: (Illustrative Only)

Schedules and coordinates the activities of the virology laboratory unit;

Performs sophisticated molecular tests such as PCR, bDNA, SDA, TMA, etc. on specimens submitted to the laboratory;

Isolates viruses and Chlamydia from clinical specimens using routine tissue culture techniques;

Performs confirmatory tests for virus identification;

Maintains and propagates different cell cultures for virus growth and isolation;

Records test observations and evaluates data;

Maintains laboratory test records and prepares reports;

Orders and maintains adequate supplies of test kits, reagents, chemicals, equipment, etc;

Performs quality control tests on diagnostic reagents and maintains quality control records on reagents and equipment;

Evaluates new laboratory diagnostic procedures;

Instructs subordinate personnel in the laboratory methods, principles and techniques;

Insures accurate records and reports on diagnostic tests performed in the laboratory;

Participates in the New York State Department of Health proficiency testing programs in the assigned area of discipline;

EXAMPLES OF WORK: (Illustrative Only) (con't)

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks, as needed.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the principles and procedures of tissue culture techniques, and molecular procedures for the diagnosis of viruses, Chlamydia and rickettsia; thorough knowledge of the diagnostic immunology procedures for serologic responses of various microorganisms and other immunologic disorders; knowledge of the modern advances in the rapid diagnostic procedures, and equipment; ability to plan, organize, evaluate and supervise the work in the virology laboratory; ability to read, write, speak and understand and communicate in English sufficiently to perform the essential tasks of the position; ability to comprehend and implement state and local laws, rules, regulations and policies as they apply to the operation of the virology laboratory; ability to prepare reports of findings in a clear and concise manner; ability to follow detailed verbal and written instructions; dependability; integrity; good judgment; accuracy; thoroughness; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A Bachelor's Degree\* in a Biological Science and seven years of experience in a microbiology laboratory, two of which must have been in a clinical virology laboratory and three of which must have been at a supervisory level.

SUBSTITUTION: Satisfactory completion of 30 credit hours towards a Master's Degree\* in a Biological Science may be substituted on a year for year basis for up to two years of the general experience in a microbiology laboratory. There is no substitute for the two years of experience in a clinical virology laboratory or the three years of supervisory experience.

\*SPECIAL NOTE: Education beyond the secondary level must be from an institution accredited or recognized by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated the minimum qualifications will be considered in evaluating experience.