

## SENIOR MEDICAL TECHNOLOGIST (MICROBIOLOGY)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent of this class is responsible for performing specialized technical microbiological analyses of specimens leading to the diagnosis and treatment of diseases. Responsibility also involves ensuring the receipt, recording, grouping and labeling of specimens and the communication of test results to the attending physician. Work involves shift assignment and weekend rotation. May function as a lead technologist in providing technical expertise and guidance in the area of specialization over lower level technicians. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Performs various types of clinical analyses in Microbiology on blood specimens, gastric contents, spinal fluids, urines, stools, pancreatic juices, bladder and kidney cultures;

Conducts tests such as: culture and sensitivity testing on blood and body fluids, serological testing and study of fungi and parasites;

Interprets test results, and issues written reports;

Reports findings on cultures, sensitivities and stained smears;

Operates automated or specialized equipment, and provides instruction, as needed;

Confers with attending or referral physician on test results, and ensures their immediate notification when the critical limits of specified test results are exceeded, presenting a life threatening circumstance for the patient;

Provides technical assistance as needed in Microbiology;

Participates in feasibility studies in setting up new procedures;

Implements quality control measures, documenting remedial action taken for detected deficiencies and defects;

Ensures the proper preparing, storing, dispensing and periodic evaluation of all solid and liquid reagents to assure the accuracy and precision of test results;

May provide training to new technologists/technicians in the area of specialization;

Keeps abreast of developments of new techniques or improvements in published or existing methods;

Attends workshops, conferences and meetings;

Accesses protected health information (PHI) in accordance with departmental assignments and guidelines defining levels of access (i.e. incidental vs. extensive);

May perform other incidental tasks, as needed;

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of the principles, techniques, procedures, instrumentation and safety precautions in the field of medical technology, particularly as they apply in the field of Microbiology; knowledge of infectious diseases; skill in the operation, calibration, troubleshooting and routine maintenance of modern laboratory equipment and instrumentation, including automated equipment used in microbiology; skill in lab procedures such as: culture and sensitivity of microorganisms and serological testing; ability to conduct tests and analyses of specimens, detect and investigate problems, and make evaluations supported by experimental evidence; ability to understand, follow and explain medical and technical instruction; ability to provide technical consultation to physicians and nurses; ability to supervise and coordinate the work of others, and implement quality control standards; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; thoroughness; dependability; accuracy; sound professional judgment; physical condition commensurate with the requirements of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Either: (a) at time of permanent appointment, possession of a license and current registration as a Clinical Laboratory Technologist issued by the New York State Education Department; or (b) at time of temporary appointment, possession of a limited permit as a Clinical Laboratory Technologist or restricted license to practice clinical laboratory technology at the Westchester Medical Center issued by the New York State Education Department.

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

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Job Class Code: C2261  
Job Group: X