

MEDICAL TECHNOLOGIST 1

GENERAL DEFINITION:

This is entry level medical technology work performing diagnostic laboratory tests in the analysis of human tissue and body fluids in a clinical laboratory. An employee in this class performs a variety of standardized laboratory tests in a variety of fields, which include clinical chemistry, microbiology, immunology, urinalysis and hematology. Work may include providing technical guidance to lower level technicians. Work is performed under the general direction of a technical supervisor.

ALLOCATING FACTORS: (The following conditions must be met for a position to be allocated to this class)

- Employees in this class must perform entry level multi-disciplinary medical technology work in the Public Health Medical Laboratory, City correctional facility, or in one of the City's district health centers.

TYPICAL EXAMPLES OF WORK (ILLUSTRATIVE ONLY)

Performs a variety of standardized laboratory tests in the fields of clinical chemistry, immunology, hematology, microbiology molecular microbiology and urinalysis; performs tests requiring use of automated equipment such as chemistry analyzers, hematology analyzers and cellcounters, flowcytometer, immunoassay analyzers and atomic absorption spectrophotometers; performs complex tests requiring use of pipettors, dilutors, spectrophotometers and microscopes.

Conducts standardized laboratory tests to identify the origins or causes of disease states by following laboratory procedures for specimen handling and test analysis; validates, reports and maintains records of examinations conducted and patient test results; complies with established policies and procedures for quality control, quality assurance and safety; performs and documents quality control activities, instrument and procedural calibrations and maintenance activities.

Prepares special culture media, solutions, reagents, standards and controls according to prescribed procedures; may be required to dissect animal heads; perform rabies testing on animals to test for the presence of rabies and other infectious diseases; prepares slides.

Assists lower level technical personnel in troubleshooting; provides technical guidance and reviews their work.

Performs related work as required.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES

KNOWLEDGE OF:

- the principles, practices and methods of medical technology
- standard laboratory instruments and equipment and the techniques and procedures concerning their use
- current practices and developments in the field of medical technology

SKILL IN:

- the care and use of laboratory equipment
- the use of the microscope and accessory equipment
- the accurate identification of bacteria and other micro-organisms

ABILITY TO:

- perform medical technology tests
- prepare specimens for testing and interpret results
- follow oral and written instructions
- maintain accurate records
- establish and maintain effective working relationships with associates

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE (The following statement represents the minimum training and experience standards which will be used to admit or reject applicants for tests. Applications submitted by candidates for this class will be reviewed based on training and experience requirements as approved on 5/11.)

EDUCATION

Certification as a Medical Technologist by American Medical Technologists (AMT) or the American Society of Clinical Pathology (ASCP).

OR EDUCATION

A bachelor's degree from an accredited college/university including 16 semester hours of biological science (with one semester in microbiology), 16 semester hours of chemistry (with one semester in organic or biochemistry), and one semester of mathematics.

AND

OPTION 1: Successful completion of a NAACLS accredited Medical Laboratory Science program within the last 5 years; OR

OPTION 2: Medical Laboratory Technician (MLT/ ASCP) Certification and two years of full time acceptable clinical laboratory experience in Blood Banking, Chemistry, Hematology, Microbiology, Immunology and Clinical Microscopy in the U.S., Canada or an accredited laboratory* within the last ten years;

OR

OPTION 3: Five years of full time acceptable clinical laboratory experience in Blood Banking, Chemistry, Hematology, Microbiology, Immunology and Clinical Microscopy in the U.S., Canada or an accredited laboratory* within the last ten years.

*laboratory accredited by a CMS approved accreditation organization (i.e., AABB, CAP, COLA, DNV, Joint Commission, etc.)

LICENSES, REGISTRATIONS AND/OR CERTIFICATIONS

Certification as a Medical Technologist by American Medical Technologists (AMT) or the American Society of Clinical Pathology (ASCP) within six months of appointment and during tenure of employment as a Medical Technologist 1. Failure to obtain certification during the six month probationary period shall result in termination of employment with the City of Philadelphia.

Note: Certification will not be required for employees who have permanent status in this class on February 1, 2011.

PHYSICAL AND MEDICAL REQUIREMENTS:

Ability to physically perform the duties and to work in the environmental conditions required of a position in this class.

Class Established: CSC - 11/80; Ad. Board - 12/80

Spec. Revision: CSC - 5/03; Ad. Board - 1/04

CSC - 3/07; Ad. Board – 4/07

Latest Spec. Revision: CSC - 3/11; Ad. Board 5/11

SNM