

Specification for Class of

MEDICAL TECHNOLOGIST 3

**Abolished Effective July 1, 2007**

Definition: Supervises the technologists, technicians and assistants in a large clinical or research laboratory; performs very complex professional laboratory determinations in a specialized field.

Typical Work

Plans, schedules, assigns, supervises and coordinates work of medical technologists, technicians and assistants;

Conducts biochemical and microscopic examinations of spinal fluid, smears, blood, sputum, gastric contents, tissue and excreta;

Supervises and monitors the laboratory quality control program;

Assists in autopsies, preserves, describes and catalogues autopsy material;

Performs histology and neuropathology work in preparing human and animal biopsy and autopsy tissue of the nervous system for microscopic examination; prepares slides of human and animal autopsy and biopsy material; prepares tissue sections for examination; prepares staining materials; prepares slides from sample tissues and body cells during surgical operation;

Supervises or performs complex procedures in special chemical laboratory; performs endocrinology studies and new procedures resulting from research studies; performs hormone assays, electrophoresis, thin layer chromatography and fluorometric analysis;

Uses microtome, centrifuge, autoclave, microscope, colorimeter, analytical balance, and other laboratory equipment; sharpens and polishes microtome knives;

Makes and records readings of test results; keeps clinical laboratory records;

Performs or assists in budget preparation, ordering laboratory equipment, and hiring and evaluation of laboratory personnel;

Performs other work as required.

Knowledge and Abilities

Knowledge of: laboratory principles, practices and techniques involving bacteriology, serology, hematology, parasitology, histology, urinalysis, clinical microscopy, immunology, organic and biochemistry, clinical and pathological laboratory tests; laboratory equipment, supplies and reagents; report preparation.

Ability to: use laboratory equipment and techniques; sharpen and polish microtome knives; understand and follow complex written and oral directions, formulae, and charts; prepare clear and concise reports; maintain cooperative working relations with others; distinguish colors; perform work with a microscope for extended periods of time; supervise professional and technical laboratory personnel.

Minimum Qualifications

A Bachelor's degree from an accredited college in medical technology, microbiology or chemistry with at least 16 semester hours in chemistry and 16 semester hours in biology including a course in bacteriology.

OR

Three years (90 semester hours) with a major in medical technology, microbiology or chemistry with at least 16 semester hours in chemistry and 16 semester hours in biology including a course in bacteriology.

AND

Certification by American Society of Clinical Pathologists; or, National Certification Agency of Clinical Laboratory Scientists; or, International Society of Clinical Laboratory Technicians; or, American Medical Technologists; AND, three additional years of professional experience as a medical technologist.

New class: 1-1-68

Revised minimum qualifications: 4-12-71

Revised minimum qualifications: 3-13-81