TECHNICAL SPECIALIST (HEMATOLOGY)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision an incumbent of this class is responsible for supervising and performing specialized technical analyses of blood specimens leading to the diagnosis and treatment of diseases. The procedures performed at this level are of a highly specialized nature. Incumbents must be proficient in all of the specialized technical and scientific procedures involved to be able to both perform the analyses, and provide technical consultation and guidance to others. Responsibility also involves ensuring the receipt, recording, grouping and labeling of specimens and the communication of test results to the attending physician. Supervision may be exercised over a number of medical technologists in providing technical expertise and guidance in the area of specialization. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Performs, develops and establishes various types of specialized tests and procedures in hematology and coagulation including (but not limited to) platelet aggregation, factor assays, fibrin monomers, correction studies, antiplasmin, heparin assay, plasminogen, euglobulinlysis, antigen studies, ferritin, special stains (for leukocyte enzymes, glycoproteins, fats and iron), serum viscosity, sugar H20, lysozyme and glutathione reductase;

Reviews the work of medical technologists, providing them with instruction, professional guidance and expertise, in the area of specialization;

May supervise the operation of the lab in the absence of the supervisor, ensuring adequate coverage on the assigned shift;

Interprets test results, and issues written reports;

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 in the development of new procedures in Hematology;

Performs 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;

Provides training for new technologists in the area of specialization;

EXAMPLES OF WORK: (Illustrative Only) (Cont'd)

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

Attends workshops, conferences and meetings.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the principles, techniques, procedures, instrumentation and safety precautions in the field of medical technology particularly as they apply in the field of hematology; thorough knowledge of blood cell morphology and cytochemistry in normal and abnormal forms; skill in the operation, calibration, troubleshooting and routine maintenance of modern laboratory equipment and instrumentation, including automated equipment; skill in lab procedures such as: platelet aggregation, factor assays, fibrin monomers, correction studies, antiplasmin, heparin assay, plasminogen, euglobulinlysis, antigen studies, ferritin, special stains (for leukocyte enzymes, glycoproteins, fats and iron), serum viscosity, sugar HO, lysozyme and glutathione reductase; 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; dependability; accuracy; thoroughness; sound professional judgment; physical condition commensurate with the requirements of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A Bachelor's Degree* in Medical Technology or in one of the chemical, physical or biological sciences, and a Master's Degree* in Chemistry, and four years of clinical laboratory experience and/or training, two of which must have been in Hematology, in an approved medical, hospital or public health laboratory.

SUBSTITUTION: Certification by the American Society of Clinical Pathologists as a Medical Technologist, MT(ASCP), and as either a Technologist in Hematology, H(ASCP), or as a Specialist in Hematology, SH(ASCP), may be substituted for the Master's Degree*.

*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.