

CLASS TITLE: SENIOR PUBLIC HEALTH MICROBIOLOGIST

Class Code: 02727300

Pay Grade: 26A

EO: B

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To perform standardized and complex serological and microbiological examinations and tests for the identification, enumeration and description of bacteria or pathological conditions; as required, to supervise the work of subordinates in a small laboratory or in a program within a section of a large laboratory engaged in the identification, enumeration and description of bacteria or pathological conditions; and to do related work as required.

SUPERVISION RECEIVED: Works under the direction of a superior who occasionally assists on difficult problems; work is reviewed only occasionally upon completion.

SUPERVISION EXERCISED: Assigns, supervises and reviews the work of subordinates in a laboratory.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To perform standardized and complex serological and microbiological examinations and tests for the identification, enumeration and description of bacteria or pathological conditions.

As required, to supervise the work of subordinates in a small laboratory or in a program within a section of a large laboratory in the identification, enumeration and description of bacteria or pathological conditions.

To perform new, unusual or difficult laboratory examinations.

To perform research studies on various projects.

To devise and implement quality control procedures.

To coordinate and integrate the activities of the laboratory unit with the activities of other laboratory units to achieve goals and objectives.

To review, analyze and evaluate scientific reports prepared by subordinates and make recommendations regarding their release and implementation.

To make recommendations for improvements of the laboratory toward a more efficient operation.

To organize and maintain the laboratory literature resources in the area of the unit's specialty.

To appear in court or at hearings as an expert witness.

To implement laboratory safety regulations and review activities for conformity to such regulations.

To prepare reports.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the principles and practices of biology and microbiology; a thorough knowledge of laboratory methods and techniques used and the ability to apply such knowledge in the instruction of subordinates; a thorough knowledge of research techniques as related to laboratory studies; the ability to apply such knowledge in the supervision of subordinates in a laboratory unit engaged in the performance of a variety of serological and microbiological test analyses; the ability to perform complex serological and microbiological tests and analyses including the operation, effective utilization and adjustment of complicated instruments and equipment; the ability to supervise and review the work of subordinates; the ability to perform research activities; the ability to analyze and interpret findings and to present conclusions and recommendations through the submission of analytical reports to superiors, the medical profession, other public health and regulatory agencies, and private and public health laboratories and clinics; the ability to understand and follow complex oral and written instructions; the ability to maintain effective working relationships; the ability to observe safety precautions and practices; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a college of recognized standing with specialization in one of the biological sciences; and

Experience: Such as may have been gained through: employment in a laboratory involving the performance of technical serological and microbiological examinations, tests and analyses.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

Class Revised: July 2, 1978

Editorial Review: 3/15/03