

SCIENCE TECHNICIAN II**NATURE OF WORK**

This is technical and non-technical work in performing a variety of routine and specialized laboratory and related tasks.

Work includes conducting a limited variety of standard and specialized laboratory tasks such as growing cultures, preparing cultures and culture media for experiments, maintaining adequate supplies of laboratory supplies and equipment, and operating mechanical and electrical research apparatus in limited and standard procedures. Employees of this class may also direct the work of lower level science technicians. General and specific work assignments are received from a technical superior, but work is performed with relative independence. Work is reviewed through inspections, conferences, and observation of results obtained.

ILLUSTRATIVE EXAMPLES OF WORK

Prepares culture media and cultures of micro organisms, washes and sterilizes glassware and other equipment required for laboratory experiments; maintains a supply of stock cultures; grown cultures; make and replenishes supplies of reagents; keeps laboratory supplies with cultures, media and reagents.

Ensures equipment trays are prepared for experiments; ensures necessary specimens, chemicals, and supplies are ready for experiments; draws equipment and supplies from main storeroom; dilutes acids; mixes chemicals; administers first aid to minor injuries; maintains adequate supplies and equipment; maintains records.

Initiates orders for specimens and laboratory supplies; assists in taking inventories; keeps laboratory clean and orderly.

Does routine histological procedures under guidance of technical superior; weighs animals and animal organs; homogenizes and centrifuges specimens; keeps storeroom orderly; issues supplies; washes and sterilizes glassware; records data.

Draws diagrams and graphs for faculty members and graduate students; cleans drafting equipment.

Maintains adequate supply of laboratory equipment and supplies in storeroom; mixes a variety of solutions.

Operates and performs routine maintenance on laboratory equipment including mass spectrometers, chromatographs, photomicroscopes, spectrophotometers, tissue processors, centrifuges, and balances.

Harvests and prepares cultured cells for radioactive isotope uptake counts; transfers samples for scintillation counter; calculates results using coulter counter.

Performs related work as required.

REQUIREMENTS OF WORK

Some experience in laboratory work; graduation from high school including courses in natural sciences; or any equivalent combination of experience and training which provides the following knowledge, abilities and skills:

Some knowledge of the methods, materials, and techniques used in laboratory work.

Some knowledge of the basic principles of the natural sciences.

Ability to perform tasks according to prescribed procedures.

Ability to learn the operation of a variety of laboratory equipment.

Ability to maintain and establish effective working relationships with faculty members, associates and students.

3206

1993.03.01

Confirmed: 2004.01.05