

Laboratory Technicians

Job Code	Job Title	Pay Grade
8341C3	Laboratory Technician II	22
8342C3	Laboratory Technician III	25

CONCEPT:

This is technical laboratory work performing standard analytical and diagnostic tests or preparatory procedures for more complex tests in a clinical, public health, pathology, bacteriology, chemical, research, environmental, agricultural or other specialized laboratory facility.

TASKS

- Prepares samples, such as microbiological specimens, reagents, plant, animal or human tissue, grains, acids, pesticides, herbicides, blood, physical crime evidence, and other organic and inorganic substances, for various laboratory tests; and assists higher level technician or professional staff in performing more complex procedures in various fields, such as bacteriology, biology, microbiology, serology, chemistry, biochemistry, botany, and virology.
- Embalms and prepares specimens, such as bovine, equine and carnivore species, for laboratory tests; properly stores specimens for further use.
- Receives samples to be tested; verifies quality of prepared specimens, reagents or samples; prepares media, reagents and stains to be used in testing; determines is specimen should be selected for further study.
- Performs prescribed tests on prepared specimens, samples or reagents, such as gravimetric procedures, microbiological analysis, chemical analysis, electrocardiograph and basal metabolism rate tests; completes elementary data manipulations; keeps records of results and other quality control procedures.
- Provides basic care to animals in an experimental laboratory; administers drugs and microbiological specimens to laboratory animals.
- Determines specified components of grain fertilizer, feed, seed, soil, and other materials by prescribed methods, such as protein content of grain by the Kjeldahl method.
- Performs venipuncture duties; obtains red blood cell counts, platelet counts, differential white blood cell counts and blood types.
- Logs test results and other relevant laboratory data through the use of personal computer application software and other record-keeping procedures.
- Serves as a lead worker for other technicians by instructing, demonstrating, assigning and reviewing standard laboratory procedures to ensure quality of initial preparation procedures for samples, specimens, and solutions.
- Monitors laboratory supplies and equipment, determines the type and quantity required, and completes the necessary purchase requisitions.
- Operates various types of laboratory equipment such as an analytical balance, anesthetic apparatus, autoclave, centrifuge, electrocardiograph, fluorometer, grinders, incubators, microscope, moisture meter, NIR analyzer, pH meter, spectrograph, and sterilizers.
- Cleans archeological artifacts and applies appropriate codes; prepares written catalog and description for scientific value.

LEVELS OF WORK

- Class Group consists of two classes.

Laboratory Technician II: This is technical laboratory support work in performing laboratory examinations, operating laboratory instruments and equipment or issues records resulting from examinations in a clinical, public health, pathology, bacteriology, chemical, research, environmental, agricultural or other specialized laboratory facility.

Minimum Requirements: High school diploma or equivalent.

Laboratory Technician III: This level performs the more complex laboratory technical procedures, determines final results of tests and may have supervisory responsibilities. May perform as a specialist or lead worker in performing laboratory examinations.

Minimum Requirements: High school diploma or equivalent and two years of experience in laboratory procedures/analysis. Education may be substituted for experience as determined relevant by the agency.

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