

# Laboratory Technician Student

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## Title

Laboratory Technician Student

## Reports To

Quality Assurance Manager

## Summary

The Laboratory Technician Student will assist in the setup of the lab, including selection of equipment/supplies required. The Laboratory Technician Student carries out fundamental tests as part of the scientific team. These tests assist in the advancement and development of modern medicine and science. The work plays an important role in the foundation stages of research and development (R&D) and in scientific analyses and investigation.

## Skills

- Communication
- Team Work
- Quality Orientation
- Problem Solving
- Accountability and Dependability
- Ethics and Integrity

## Job Duties

- Perform laboratory tests in order to produce reliable and precise data to support scientific investigations.
- Record and report data from all analyses and tests in the prescribed time and form and maintain statistical records in accordance with laboratory procedures.
- Carry out routine tasks accurately and following strict methodologies to carry out analyses.
- Prepare samples.
- Ensure the laboratory is well-stocked and resourced.
- Keep up to date with technical developments, especially those which can save time and improve reliability.
- Conduct searches on identified topics relevant to the research.
- Follow and ensure strict safety procedures and safety checks.
- Make detailed observations; analyze data, and interpret results.
- Maintain laboratory equipment and inventory levels for laboratory supplies.
- Write reports, summaries, and protocols regarding experiments.
- Perform limited troubleshooting and calibration of instruments.
- Log in all samples from field or special request for routine, non-routine and other test.
- Organize all lab reagents and update inventory spread sheets.

- Prepare blind test samples and record maintenance.
- File all lab files except the record maintenance by person conducting the tests.
- Review incomplete samples.
- Back up total water analysis and sent reports.
- Responsible for lab cleaning, sample disposal, monthly inventory check, safety duties etc.
- Complete other duties as necessary.

## Requirements

- Bachelor's degree in a related scientific field.
- Chemical Technology program or equivalent.
- Must have a strong understanding of WHMIS and MSDS.
- Must be knowledgeable in health, safety and environmental standards.
- Knowledge of laboratory techniques, terminology, equipment and materials.
- Knowledge of the principles and practices of chemical, biological and physical testing and analyses including the preparation of materials, equipment and samples.
- Knowledge of arithmetic for use in computation of test results and analyses.
- Knowledge of data processing.
- Ability to use and maintain laboratory equipment for standard chemical, biological and physical testing.
- Ability to understand and follow written and oral instruction.
- Must have good written and verbal communication skills.
- Good eyesight and manual dexterity skills in laboratory manipulative techniques.
- Demonstrate applicable ethics and due diligence.
- Manage time effectively.
- Excellent presentation skills.
- Effective attention to detail and a high degree of accuracy.
- High level of integrity, confidentiality, and accountability.
- Sound analytical thinking, planning, prioritization, and execution skills.
- Ability to respond appropriately in pressure situations with a calm and steady demeanour.
- Exposure to bacterial contamination during testing procedures.

## Work Conditions

- Interacts with chemicals, elements and potential hazardous organisms.
- Manual dexterity required to use laboratory equipment, desktop computer and peripherals.
- Intermittent physical activity including standing, sitting and lifting.
- Manual dexterity required.
- Overtime as required.