

Alberta Precision Laboratories (APL) and the Health Sciences Association of Alberta (HSAA)

This classification specification identifies representative duties and responsibilities, and is intended to assist in the determination of the appropriate classification level within each discipline. Some duties and responsibilities may overlap between class levels. The classification specification is not intended to provide an exhaustive list of all duties performed.

Classification Title: **Laboratory Scientist II**

Date Updated: **September 23, 2021**

Job Summary:

The Laboratory Scientist II participates in the initiation of new approaches to testing, researching the viability of given projects, facilitating methodology development and conducting advanced or complex patient tests.

Work of the Laboratory Scientist II level is distinguished from the Laboratory Scientist I level by the independence exercised, the research responsibilities and the performance of advanced or complex patient tests.

Key Responsibilities and Typical Duties:

In addition to the duties of the Laboratory Scientist I, the Laboratory Scientist II:

Core Duties

- Identifies the need for and initiates changes to research and development processes.
- Initiates and prepares research proposals.
- Researches and analyzes data gathered from projects including method development and quality assurance activities.
- Researches cost and viability of projects and provides recommendations to the appropriate individual(s).
- Assists with the implementation of new technologies and instrumentation.
- Directs and/or assists with the installation, validation, calibration, and maintenance of equipment.
- Develops training procedures for new or revised programs, technology or instrumentation.
- Performs advanced or complex patient tests in their assigned area.

Other Related Duties

- Publishes papers and articles in conjunction with physicians and other health care providers.

Leadership

- Participates in the training of laboratory technical staff.
- Supervises Medical Laboratory Scientist students, Medical Laboratory Technology students and Laboratory residents.
- Acts as a resource for other health care providers.

Decision Making

- Provides clinical consultations to other health care providers.
- Selects the chemistry, technology and platforms for assays.
- Resolves unusual or complex cases or situations or refers the situation to the appropriate individual(s).

Knowledge:

Education

- Masters Degree in Medical Laboratory Science or a related scientific discipline.

Working Conditions:

Physical Demands

- Stands, sits, lifts and carries equipment and supplies.
- Extensive computer use.

Work Environment

- Potential exposure to bio-hazardous materials, radiation and chemical hazards.
- Exposure to heat, cold and noise.