

## **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 I**

Date Updated: **September 23, 2021**

### **Job Summary:**

The Laboratory Scientist I performs work involving laboratory processes including research and development, test method implementation and change, clinical trials and routine testing. Work at this level involves clinical training and coaching of laboratory technical staff.

### **Key Responsibilities and Typical Duties:**

#### **Core Duties**

- Participates in the research and development/test method process.
- Collects and analyzes data and background information including literature reviews.
- Locates, evaluates and performs analytical procedures requested by investigators for assays.
- Collaborates with clinical research investigators to provide support for clinical trials.
- Assists with the selection and implementation of appropriate equipment.
- Assists in the preparation of research proposals.
- Prepares research summary reports.
- Compiles results and forwards to other health care providers for interpretation.
- Establishes and maintains quality control standards and tolerances for new procedures and methodologies.
- Performs routine testing and clinical trials in their assigned area.

#### **Other Related Duties**

- Prepares and submits abstracts, poster presentations and other publications as directed.
- Presents results of research studies at conferences and seminars.
- Recommends the purchase of reagents, supplies and capital assets to the appropriate individual(s).

### **Leadership**

- Provides functional/collegial guidance to students and residents.
- Develops and conducts training for students and other health care providers as required.

### **Decision-Making**

- Provides recommendations regarding trouble shooting assays and unusual patient results.
- Acts as a resource to the technical staff in trouble shooting and solving maintenance or technical problems relating to laboratory instruments and equipment.
- Defends research methodology and results to peer reviews and management inquiries.

### **Knowledge:**

#### **Education**

- Bachelor of Science (Honours) Degree in Medical Laboratory Science.

### **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.