



Provincial Job Description

<i>TITLE:</i>	<i>PAY BAND:</i>
(474) Nuclear Medicine Technologist - Specialty (PET/CT)	17

FOR FACILITY USE:

SUMMARY OF DUTIES:

Receives/disposes radiopharmaceuticals and performs technical procedures utilizing radiation and/or radioactive materials for the diagnosis and tracking of disease and pathology. Specialty disciplines are: SPECT/CT (Diagnostic CT) and PET/CT.

QUALIFICATIONS:

- ◆ Nuclear Medicine Technology diploma
 - ◆ Certified and Registered by Canadian Association of Medical Radiation Technologists
 - ◆ Licensed and Registered with College of Medical Radiation and Imaging Professionals of Saskatchewan

KNOWLEDGE, SKILLS & ABILITIES:

- ◆ Intermediate computer skills
- ◆ Interpersonal skills
- ◆ Organizational skills
- ◆ Communications skills
- ◆ Analytical skills
- ◆ Ability to work independently
- ◆ Valid driver's license, where required by the job

EXPERIENCE:

- ◆ **Previous:** Twenty-four (24) months previous experience as a Nuclear Medicine Technologist to consolidate knowledge and skills.

KEY ACTIVITIES:

A. Diagnostic and Therapeutic Procedures

- ◆ Assists/transport, assesses, prepares, instructs and positions patient.
- ◆ Starts/administers various media (e.g., oral, intramuscular injections, intravenous [IV's]) as required to complete the appropriate test.
- ◆ Performs diagnostic and therapeutic procedures (e.g., PET/CT).
- ◆ Modifies technical data to ensure complete series of diagnostic tests are obtained for physician to view and interpret.
- ◆ Performs various laboratory procedures (e.g., collecting, pipetting, labeling, separation and tagging of blood).
- ◆ Provides occasional guidance to the primary function of others, including training.
- ◆ Administers contrast media (e.g., oral barium) to complete the appropriate test.
- ◆ Typically performs a specialty discipline as noted above and may perform a variety of other diagnostic procedures (e.g., general and portable radiography).
- ◆ Monitors patient during therapeutic procedures for signs of shock and allergic reaction.
- ◆ Performs SPECT/CT (Diagnostic CT) and PET/CT clinical and research procedures.
- ◆ Utilizes positron based radiopharmaceuticals.
- ◆ Evaluate procedure results.

B. Quality Assurance / Quality Control

- ◆ Participates in Quality Assurance/Quality Control programs as required by local protocols and government regulations.
- ◆ Follows preventative maintenance programs by maintaining instrument logs and recognizing equipment malfunctions.
- ◆ Performs and records quality control checks on all equipment.
- ◆ Records radiopharmaceutical information for the Canadian Nuclear Safety Commission.
- ◆ Follows radiation safety protocols in accordance with the Medical Radiation Health and Safety Act.

C. Clerical

- ◆ Retrieves files and distributes requisitions and reports.
- ◆ Maintains daily log of patients and examinations.
- ◆ Performs computer work (e.g., data entry, back-up).
- ◆ Responds to telephone calls and inquiries from physicians/patients and other staff members.
- ◆ Prepares, communicates and files test results and reports.
- ◆ Prepares statistical reports.

D. Related Key Work Activities

- ◆ Prepares and maintains chemical mixtures.
- ◆ Disposes of radioactive and biohazardous waste, as per departmental procedures and policies.
- ◆ Maintains inventory and orders supplies.
- ◆ Cleans, maintains, troubleshoots and calibrates diagnostic equipment according to established standards.

The above statements reflect the general details considered necessary to describe the principal functions of the job and shall not be construed as a detailed description of all related work assignments that may be inherent to the job.

Validating Signatures:

CUPE:

SEIU:

SGEU:

SAHO:

Date: September 16, 2026