



Provincial Job Description

TITLE:
(101) Cytogenetics Technologist I

PAY BAND:
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FOR FACILITY USE:

SUMMARY OF DUTIES:

Responsible for performing diagnostic chromosome studies on peripheral blood, bone marrow, amniotic fluid and solid tissue samples.

QUALIFICATIONS:

- ◆ Clinical Genetics Technology diploma
 - ◆ Certified by the Canadian Society for Medical Laboratory Science
 - ◆ Licensed and registered by the Saskatchewan Society of Medical Laboratory Technologists.

KNOWLEDGE, SKILLS & ABILITIES:

- ◆ Intermediate computer skills
- ◆ Analytical skills
- ◆ Ability to work independently
- ◆ Communication and interpersonal skills

EXPERIENCE:

- ◆ Previous: No previous experience.

KEY ACTIVITIES:

A. Culture / Harvest / Testing of Specimens

- ◆ Prepares and records sample receipt and/or result.
- ◆ Initiates and maintains cultures including suspensions (bloods, marrows), in situ (amniotic fluids and solid tissues).
- ◆ Sub-cultures long term cultures, as necessary.
- ◆ Freezes cells for future studies.
- ◆ Harvests cells at appropriate time through established methods.
- ◆ Prepares slides.
- ◆ Monitors, evaluates, and interprets results.
- ◆ Bands and stains chromosomes on slides, dishes, cover slips.
- ◆ Performs microscopic analysis of chromosomes.
- ◆ Performs digital photography of cells.
- ◆ Performs computer-assisted karyotyping.
- ◆ Performs special staining (e.g., fluorescent techniques).
- ◆ Harvests cells of extended chromosome studies.

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.

C. Clerical

- ◆ Re-checks cases before sign-out.
- ◆ Reviews old cases prior to follow-up appointments.
- ◆ Performs computer work (e.g., data entry, back up).

D. Related Key Work Activities

- ◆ Researches new techniques/equipment.
- ◆ Prepares solutions.
- ◆ Prepares/packages samples for shipping to outside labs.
- ◆ Provides occasional guidance to the primary function of others, including training.
- ◆ Cleans, maintains, troubleshoots, and calibrates equipment according to established standards.
- ◆ Provides input into capital equipment purchases.
- ◆ Disposes of biohazardous waste, as per department procedures and policies.

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.

Any revisions of this document recommended by the Joint Job Evaluation Maintenance Committee must be approved by the Parties.

Validating Signatures:

CUPE:

SEIU:

SGEU:

SAHO:

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