

## MEDICAL LABORATORY ACCREDITATION PROGRAM

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** Institut national de santé publique du Québec – Laboratoire de santé publique du Québec

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|-----------------------------------|---|
| <b>SCC File Number:</b>           | 15811   |
| <b>Provider:</b>                  | BNQ-EL  |
| <b>Provider File Number:</b>      | 38513-1   |
| <b>Accreditation Standard(s):</b> | ISO 15189:2012 Medical laboratories – Requirements for quality and competence |
| <b>Program Specialty Area:</b>    | Medical biology   |
| <b>Initial Accreditation:</b>     | 2010-04-01  |
| <b>Most Recent Accreditation:</b> | 2023-10-20  |
| <b>Accreditation Valid to:</b>    | 2026-04-01  |

*Remarque : La présente portée d'accréditation existe également en français, celle-ci est publiée séparément.*

*Note: This scope of accreditation is also available in French as a separately issued document.*

## SCOPE OF ACCREDITATION

### 02.0 MOLECULAR BIOLOGY

02.3 MOLECULAR DIAGNOSIS – INFECTIOUS DISEASES

### 07.0 MICROBIOLOGY

- 07.1 MICROBIOLOGY – BACTERIOLOGY
- 07.2 MICROBIOLOGY – IMMUNOSEROLOGY
- 07.3 MICROBIOLOGY – MYCOBACTERIOLOGY
- 07.4 MICROBIOLOGY – MYCOLOGY
- 07.5 MICROBIOLOGY – PARASITOLOGY

### DETAILS OF SCOPE OF ACCREDITATION

| Discipline                            | Sub-discipline  | Nature of the test   | Analytical principle   | Matrix (sample)   |
|---------------------------------------|---|--|--|---|
| <b>02.0<br/>MOLECULAR<br/>BIOLOGY</b> | <b>02.3 Molecular<br/>diagnosis –<br/>infectious diseases</b> | Research,<br>identification<br>and<br>characterization<br>of<br>microorganisms | <b>Nucleic acid<br/>detection</b>                                | Clinical specimen, feces,<br>isolates, water filtrate,<br>blood, serum and other<br>biological fluids |
|                                       |   |  | <b>Conventional<br/>sequencing</b>                               | Isolate, clinical specimen  |
|                                       |   |  | <b>High-throughput<br/>sequencing</b>                            | Isolate, clinical specimen  |
|                                       |   | Typing   | <b>Nucleic acid<br/>detection</b>                                | Clinical specimen, isolate,<br>feces broth, blood and<br>other biological fluids                      |
|                                       |   |  | <b>Conventional<br/>sequencing</b>                               | Clinical specimen, isolate,<br>blood and other biological<br>fluids                                   |
|                                       |   |  | <b>High-throughput<br/>sequencing</b>                            | Isolate, clinical specimen  |
| <b>07.0<br/>MICROBIOLOGY</b>          | <b>07.1 Microbiology –<br/>bacteriology</b>                   | Research,<br>identification<br>and   | <b>Microscopic<br/>examination<br/>including<br/>preparation</b> | Isolate   |

| Discipline | Sub-discipline                                   | Nature of the test  | Analytical principle                          | Matrix (sample)                        |               |
|------------|--|---|---|--|---------------|
|            |  | characterization of bacteria                                    | Immunofluorescence                            | Isolate, blood, CSF, clinical specimen |               |
|            |  |   | Culture                                       | Isolate                                |               |
|            |  |   | Spectrometry (MALDI-TOF)                      | Isolate                                |               |
|            |  |   | Biochemical characterization                  | Clinical specimen, blood, CSF, isolate |               |
|            |  |   | Bacteriophage detection methods               | Isolates                               |               |
|            |  | Characterization of sensitivity to different substances         | Phenotypic determination: sensitivity tests   | Isolate                                |               |
|            |  | Typing  | Agglutination / Quellung method               | Isolate                                |               |
|            |  |   | Pulsed-field gel electrophoresis              | Isolate                                |               |
|            |  | 07.2 Microbiology – immunoserology                              | Serodiagnosis                                 | Agglutination                          | Serum         |
|            |  |   |   | Immuno-chromatographic test            | Serum, plasma |
|            | Enzyme immunoassay and other immunological tests |   |   | Blood, serum, CSF, plasma              |               |
|            | Neutralization                                   |   |   | Serum, plasma                          |               |
|            | Immunoblotting techniques                        |   |   | Serum                                  |               |
|            | 07.3 Microbiology – mycobacteriology             | Search for and identification of mycobacteria and actinomycetes | Microscopic examination including preparation | Isolate                                |               |
| Culture    |  |   | Isolate                                       |  |               |

| Discipline | Sub-discipline                          | Nature of the test  | Analytical principle                                 | Matrix (sample)                                |
|------------|---|---|--|--|
|            |   |   | <b>Spectrometry (MALDI-TOF)</b>                      | Isolate  |
|            |   | Characterization of sensitivity to different substances           | <b>Phenotypic determination: sensitivity tests</b>   | Isolate  |
|            |   |   | <b>Fluorometric method</b>                           | Isolate  |
|            | <b>07.4 Microbiology – mycology</b>     | Research, identification and characterization of fungi and yeasts | <b>Microscopic examination including preparation</b> | Isolate  |
|            |   |   | <b>Culture</b>                                       | Isolate  |
|            |   |   | <b>Spectrometry (MALDI-TOF)</b>                      | Isolate  |
|            |   |   | <b>Biochemical characterization</b>                  | Isolate  |
|            |   | Characterization of sensitivity to different substances           | <b>Phenotypic determination: sensitivity tests</b>   | Isolate  |
|            | <b>07.5 Microbiology – parasitology</b> | Search for and identification of parasites                        | <b>Microscopic examination including preparation</b> | Stool, biological fluids, worms and arthropods |

### **Notes**

Accreditation is granted under a flexible scope. The list of methods subject to accreditation is available.

**ISO 15189:2012:** Medical laboratories — Requirements for quality and competence

**POV-ASB:** Accreditation Program Overview

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at [www.scc.ca](http://www.scc.ca).

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