

## MEDICAL LABORATORY ACCREDITATION PROGRAM

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** Département clinique de médecine de laboratoire du Centre universitaire de santé de McGill (CUSM) (Site Hôpital général du Lakeshore)

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| <b>SCC File Number:</b>           | 151122   |
| <b>Provider:</b>                  | BNQ-EL   |
| <b>Provider File Number:</b>      | 56689-1  |
| <b>Accreditation Standard(s):</b> | ISO 15189:2012 Medical laboratories – Requirements for quality and competence<br>ISO 22870:2016 Point of care testing (POCT) – Requirements for quality and competence<br>CAN/CSA-Z902-20 Blood and blood components |
| <b>Program Specialty Area:</b>    | Medical  |
| <b>Initial Accreditation:</b>     | 2020-06-10   |
| <b>Most Recent Accreditation:</b> | 2024-05-07   |
| <b>Accreditation Valid to:</b>    | 2028-06-10   |

*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.*

**SCC Group Accreditation:**

This laboratory is a part of a Group Accreditation with the following facilities in accordance with SCC's policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.

- Département clinique de médecine de laboratoire du SITE GLEN, 1001, Décarie St., Montréal (Québec) H4A 3J1 (CCN No.: 151112/ BNQ No.: 56679-1)
- Pavillon Sainte-Famille, 22, Notre-Dame North St., Ville-Marie (Québec) J9V 1W8 (CCN No.: 151113/BNQ No.: 56680-1)
- CLSC de Senneterre, 961, de la Clinique St., Senneterre (Québec) J0Y 2M0 (CCN No.: 151114/BNQ No.: 56681-1)
- Centre de soins de courte durée La Sarre, 679, 2<sup>nd</sup> Street East, La Sarre (Québec) J9Z 2X7 (CCN No.: 151115/BNQ No.: 56682-1)
- Hôpital et Centre de réadaptation en dépendance de Val-d'Or, 725, 6th Street, Val-d'Or (Québec) J9P 3Y1 (CCN No.: 151116/BNQ No.: 56683-1)
- Hôpital d'Amos, 622, 4th Street West, Amos (Québec) J9T 2S2 (CCN No.: 151117/BNQ No.: 56684-1)
- Hôpital de Rouyn-Noranda, 4, 9th Street, Rouyn-Noranda (Québec) J9X 2B2 (CCN No.: 151118/BNQ No.: 56685-1)
- Point de service de Témiscaming-et-de-Kipawa, 180, Anvik St., Témiscaming (Québec) J0Z 3R0 (CCN No.: 151119/BNQ No.: 56686-1)
- Centre hospitalier de St. Mary's, 3830, Lacombe Ave., Montréal (Québec) H3T 1M5 (CCN No.: 151120/BNQ No.: 56687-1)
- Hôpital de LaSalle, 8585, Champlain, Montréal (Québec) H8P 1C1 (CCN No.: 151121/BNQ No.: 56688-1)
- Hôpital général juif, 3755, Côte-Sainte-Catherine, Montréal (Québec) H3T 1E2 (CCN No.: 151123/BNQ No.: 56690-1)
- Hôpital général de Montréal, 1650, Cedar Ave., Montréal (Québec) H3G 1A4 (CCN No.: 151124/BNQ No.: 56691-1)
- Hôpital de Lachine, 650, 16th Avenue, Montréal (Québec) H8S 3N5 (CCN No.: 151125/BNQ No.: 56692-1)
- Institut et Hôpital neurologiques de Montréal, 3801, University St., Montréal (Québec) H3A 2B4 (CCN No.: 151168/BNQ No.: 58265-1)

**SCOPE OF ACCREDITATION**

**01.0 BIOCHEMISTRY\***

- 01.1 BIOCHEMISTRY – CLINICAL
- 01.2 BIOCHEMISTRY – HORMONAL
- 01.3 BIOCHEMISTRY – IMMUNOLOGY
- 01.4 BIOCHEMISTRY – MEDICATION
- 01.5 BIOCHEMISTRY – TOXICOLOGY

(\*) This discipline covers tests subject to ISO 22870; see detailed scope.

## SCOPE OF ACCREDITATION

### 02.0 MOLECULAR BIOLOGY

02.3 MOLECULAR DIAGNOSIS – INFECTIOUS DISEASES

### 05.0 HEMATOLOGY

05.2 HEMATOLOGY – CYTOLOGY  
 05.3 HEMATOLOGY – ERYTHROCYTIC  
 05.5 HEMATOLOGY – HEMOSTASIS  
 05.7 HEMATOLOGY – IMMUNOLOGY

### 06.0 TRANSFUSION MEDICINE

### 07.0 MICROBIOLOGY

07.1 MICROBIOLOGY – BACTERIOLOGY  
 07.2 MICROBIOLOGY – IMMUNOSEROLOGY  
 07.4 MICROBIOLOGY – MYCOLOGY  
 07.5 MICROBIOLOGY – PARASITOLOGY

### 08.0 ANATOMICAL PATHOLOGY

08.1 PATHOLOGY – CLINICAL  
 08.3 PATHOLOGY – CYTOLOGY

## DETAILS OF SCOPE OF ACCREDITATION

| Discipline        | Sub-discipline               | Analytical parameter                   | Analytical principle   | Matrix (sample)                                     |
|-------------------|------------------------------|--|--|---|
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30009 - Folic acid (folates)           | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30013 - Uric Acid                      | Spectrophotometry  | Blood and derived products, urine                   |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30016 - Alanine aminotransferase (ALT) | Spectrophotometry  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30017 - Albumin                        | Spectrophotometry  | Blood and derived products, other biological fluids |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30029 - Ammoniac                       | Spectrophotometry  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30030 - Total amylase                  | Spectrophotometry  | Blood and derived products, biological fluids       |

| Discipline        | Sub-discipline               | Analytical parameter                                       | Analytical principle   | Matrix (sample)                                     |
|-------------------|------------------------------|--|--|---|
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30038 - Carcinoembryonic antigen (CEA)                     | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30039 - Prostate-specific antigen (PSA) test               | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30060 - Aspartate aminotransferase (AST)                   | Spectrophotometry  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30076 - Lactate acid (by specific electrode)               | Electrochemistry   | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30078 - Procalcitonin                                      | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30079 - Urine (microscopic examination) (automated)        | Flow cytometry   | Urine   |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30005 - Beta-hydroxybutyrate (whole blood)                 | Electrochemistry   | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30083 - Bilirubin Direct (conjugated)                      | Spectrophotometry  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30084 - Bilirubin total                                    | Spectrophotometry  | Blood and derived products, other biological fluids |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30095 - NT-PRO-BNP (Brain Natriuretic Peptide)             | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30100 - CA 125   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30105 - Calcium total                                      | Spectrophotometry  | Blood and derived products, urine                   |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30106 - Calcium Ionized                                    | Electrochemistry   | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30115 - Chloride   | Electrochemistry   | Blood and derived products, urine                   |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30116 - Cholesterol - HDL                                  | Spectrophotometry  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30117 - Cholesterol – LDL (measured)                       | Calculation  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30119 - Cholesterol total                                  | Spectrophotometry  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30124 - Total CO <sub>2</sub> or bicarbonate (dosage only) | Electrochemistry   | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30130 - CK total   | Spectrophotometry  | Blood and derived products                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30132 - Creatinine   | Spectrophotometry  | Urine, blood and blood products, biological fluids  |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30133 - Crystals (synovial fluid)                          | Microscopic examination including preparation                | Biological fluid                                    |

| Discipline        | Sub-discipline               | Analytical parameter   | Analytical principle   | Matrix (sample)  |
|-------------------|------------------------------|--|--|--|
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30173 - Protein electrophoresis (serum)  | Electrophoresis  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30191 - Iron (serum)   | Spectrophotometry  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30193 - Ferritin   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30210 - Gamma glutamyl transferase (GGT)   | Spectrophotometry  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30212 - Blood Gas (pO <sub>2</sub> , pCO <sub>2</sub> , pH, HCO <sub>3</sub> , COHb, metHb, oxyHb, SulfHb) | Calculation  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30212 - Blood Gas (pO <sub>2</sub> , pCO <sub>2</sub> , pH, HCO <sub>3</sub> , COHb, metHb, oxyHb, SulfHb) | Electrochemistry   | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30212 - Blood Gas (pO <sub>2</sub> , pCO <sub>2</sub> , pH, HCO <sub>3</sub> , COHb, metHb, oxyHb, SulfHb) | Spectrophotometry  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30214 - Glucose  | Electrochemistry   | Blood and derived products, CSF, other biological fluids |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30248 - Glycated hemoglobin (HbA1c)  | Immunoassay - turbidimetry                                   | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30268 - Serum protein immunofixation   | Electrophoresis  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30273 - Immunoglobulin IgA   | Nephelometry   | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30277 - Immunoglobulin IgG   | Nephelometry   | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30279 - Immunoglobulin IgM   | Nephelometry   | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30285 - Free light chains (Kappa/Lambda) (serum)   | Nephelometry   | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30301 - Lactate Dehydrogenase (LD)   | Spectrophotometry  | Blood and derived products, other biological fluids      |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30306 - Triglyceride lipase  | Spectrophotometry  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30332 - Total magnesium  | Spectrophotometry  | Blood and derived products, urine                        |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30308 - Lipoprotein A (Lp(a))  | Turbidimetry   | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30337 - Microalbumin (urine)   | Immunoassay - turbidimetry                                   | Urine  |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30362 - Osmolality   | Cryoscopic Osmometry   | Blood and derived products, urine                        |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30383 - pH (biological fluid)  | Electrochemistry   | Biological fluid   |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30386 - Alkaline Phosphatase   | Spectrophotometry  | Blood and derived products                               |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30391 - Phosphate  | Spectrophotometry  | Blood and derived products, urine                        |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30398 - Potassium  | Electrochemistry   | Blood and derived products, urine                        |

| Discipline        | Sub-discipline               | Analytical parameter  | Analytical principle   | Matrix (sample)  |
|-------------------|------------------------------|---|--|--|
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30399 - Prealbumin  | Immunoassay - turbidimetry                                   | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30404 - Total protein (other fluids)  | Spectrophotometry  | Urine, CSF, other biological fluids                        |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30405 - Total protein (serum)   | Spectrophotometry  | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30407 - Free prostate antigen (PSA)   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30412 - C-reactive Protein (CRP) (including ultrasensitive)                 | Immunoassay - turbidimetry                                   | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30471 - Occult Blood Stool (qualitative)                                    | Colorimetry - visual reading                                 | Feces  |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30478 - Sodium  | Electrochemistry   | Blood and derived products, urine                          |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30511 - Transferrin   | Spectrophotometry  | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30512 - Triglycerides   | Spectrophotometry  | Blood and derived products, other biological fluids        |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30513 - Troponin T or I   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30531 - Urea  | Spectrophotometry  | Blood and derived products, urine, other biological fluids |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30532 - Urine (microscopic exam)  | Visual reading   | Urine  |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30533 - Urine (summary examination)   | Reflectance  | Urine  |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30553 - Vitamin B12   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.1 Biochemistry – clinical | 30556 - Vitamin D 25 OH   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal | 30128 - Serum or urine cortisol without extraction                          | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal | 30240 - Follicle-stimulating hormone (FSH)                                  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                                 |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal | 30241 - Chorionic Gonadotropic Hormone (CGH) (serum or urine) (qualitative) | Visual reading   | Blood and derived products, urine                          |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal | 30243 - Luteinizing Hormone (LH)  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products                                 |

| Discipline        | Sub-discipline                 | Analytical parameter                                   | Analytical principle   | Matrix (sample)            |
|-------------------|--------------------------------|--|--|----------------------------|
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal   | 30244 - Parathyroid hormone (PTH)                      | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal   | 30360 - Estradiol-17B                                  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal   | 30402 - Prolactin                                      | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal   | 30500 - T3 total (total triiodothyronine) or free      | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal   | 30502 - T4L (free thyroxine)                           | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal   | 30506 - Testosterone total                             | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.2 Biochemistry – hormonal   | 30516 - TSH (thyrotropic hormone)                      | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.3 Biochemistry – immunology | 30048 - Anti-thyroperoxidase (anti-TPO)                | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.3 Biochemistry – immunology | 40800 - RA (rheumatoid factor)                         | Immunoassay - turbidimetry                                   | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30600 - Acetaminophen (Tylenol®, Temptra®)             | Immunoassay - turbidimetry                                   | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30601 - Valproic acid (Depakène®)                      | Immunoassay - turbidimetry                                   | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30630 - Carbamazepine (Tegretol®)                      | Immunoassay - turbidimetry                                   | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30640 - Digoxin (Lanoxin®)                             | Immunoassay - turbidimetry                                   | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30671 - Gentamicin (Garamycin®)                        | Immunoassay - turbidimetry                                   | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30692 - Lithium (Li) (Carbolith®, Duralith®, Lithane®) | Spectrophotometry  | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30731 - Phenytoin (Dilantin®)                          | Immunoassay - turbidimetry                                   | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30760 - Salicylates                                    | Spectrophotometry  | Blood and derived products |
| 01.0 BIOCHEMISTRY | 01.4 Biochemistry – medication | 30771 - Théophylline (Uniphyll®, Quibron®)             | Immunoassay - turbidimetry                                   | Blood and derived products |



| Discipline             | Sub-discipline                                 | Analytical parameter  | Analytical principle                          | Matrix (sample)              |
|------------------------|--|---|---|------------------------------|
| 01.0 BIOCHEMISTRY      | 01.4 Biochemistry – medication                 | 30773 - Tobramycin (Nebcin®, Tobrex®)   | Immunoassay - turbidimetry                    | Blood and derived products   |
| 01.0 BIOCHEMISTRY      | 01.4 Biochemistry – medication                 | 30780 - Vancomycin (Vancocin®)  | Immunoassay - turbidimetry                    | Blood and derived products   |
| 01.0 BIOCHEMISTRY      | 01.5 Biochemistry – toxicology                 | 30177 - Ethanol (ethyl alcohol) enzymatic   | Spectrophotometry                             | Blood and derived products   |
| 01.0 BIOCHEMISTRY      | 01.5 Biochemistry – toxicology                 | 30851 - Street drugs / strip / drug   | Immunoassay                                   | Urine                        |
| 01.0 BIOCHEMISTRY      | POCT   | 30070 - Glucose by glucometer   | Electrochemistry                              | Blood and derived products   |
| 02.0 MOLECULAR BIOLOGY | 02.3 Molecular diagnosis – infectious diseases | 45026 - Clostridium difficile (toxin B gene) (NAAT) on clinical specimen  | Detection of nucleic acids                    | Clinical sample              |
| 02.0 MOLECULAR BIOLOGY | 02.3 Molecular diagnosis – infectious diseases | 45033 - Coronavirus (SARS-CoV-2); detection (NAAT) (rapid test, certified kit) on clinical samples                | Detection of nucleic acids                    | Clinical sample              |
| 02.0 MOLECULAR BIOLOGY | 02.3 Molecular diagnosis – infectious diseases | 45036 - Vancomycin-resistant Enterococcus (VRE) (NAAT) on clinical specimen                                       | Detection of nucleic acids                    | Clinical sample              |
| 02.0 MOLECULAR BIOLOGY | 02.3 Molecular diagnosis – infectious diseases | 45100 - Methicillin-resistant Staphylococcus aureus (MRSA); detection (NAAT) (certified kit) on clinical specimen | Detection of nucleic acids                    | Clinical sample              |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20320 - Liquid cytology (manual)  | Microscopic examination including preparation | CSF, other biological fluids |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20321 - Fluid cytology with cytospin  | Impedance measurement                         | Other biological fluids      |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20342 - Eosinophils (nasal secretions or urine)   | Microscopic examination including preparation | Urine                        |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.   | Calculation                                   | Whole blood                  |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.   | Flow cytometry                                | Whole blood                  |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.   | Fluorescence                                  | Whole blood                  |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20361 - Complete blood count (CBC) or automated Hgb-HCT-Plat.   | Impedance measurement                         | Whole blood                  |
| 05.0 HEMATOLOGY        | 05.2 Hematology – cytology                     | 20362 - Differential formula (manual) (including staining)  | Microscopic examination including preparation | Whole blood                  |



| Discipline      | Sub-discipline                 | Analytical parameter   | Analytical principle                          | Matrix (sample)            |
|-----------------|--------------------------------|--|---|----------------------------|
| 05.0 HEMATOLOGY | 05.2 Hematology – cytology     | 20363 - Evaluation of red blood cells and platelets (orientation smear) (including staining)                               | Microscopic examination including preparation | Whole blood                |
| 05.0 HEMATOLOGY | 05.2 Hematology – cytology     | 20470 - Reticulocytes (automated)  | Calculation                                   | Whole blood                |
| 05.0 HEMATOLOGY | 05.2 Hematology – cytology     | 20470 - Reticulocytes (automated)  | Flow cytometry                                | Whole blood                |
| 05.0 HEMATOLOGY | 05.2 Hematology – cytology     | 20470 - Reticulocytes (automated)  | Fluorescence                                  | Whole blood                |
| 05.0 HEMATOLOGY | 05.2 Hematology – cytology     | 20470 - Reticulocytes (automated)  | Impedance measurement                         | Whole blood                |
| 05.0 HEMATOLOGY | 05.2 Hematology – cytology     | 20490 - Manual sedimentation   | Precipitation                                 | Whole blood                |
| 05.0 HEMATOLOGY | 05.2 Hematology – cytology     | 20983 - Bone marrow (staining)   | Microscopic examination including preparation | Marrow                     |
| 05.0 HEMATOLOGY | 05.3 Hematology – erythrocytic | 20360 - Falciformation (test for) metabisulfite  | Microscopic examination including preparation | Blood and derived products |
| 05.0 HEMATOLOGY | 05.3 Hematology – erythrocytic | 20825 - Erythrocyte enzymes (per enzyme) (G6PD,6PGD, PK, HX, GPI)  | Enzymatic method                              | Blood and derived products |
| 05.0 HEMATOLOGY | 05.5 Hematology – hemostasis   | 20044 - Cryofibrinogen   | Precipitation (visual reading)                | Blood and derived products |
| 05.0 HEMATOLOGY | 05.5 Hematology – hemostasis   | 20062 - D-Dimer (automated)  | Immunoassay - turbidimetry                    | Blood and derived products |
| 05.0 HEMATOLOGY | 05.5 Hematology – hemostasis   | 20102 - Fibrinogen (active)  | Chronometric method                           | Blood and derived products |
| 05.0 HEMATOLOGY | 05.5 Hematology – hemostasis   | 20240 - Activated partial thromboplastin time (APTT) or thrombin time (TT) or prothrombin time (PT) (INR) on 50/50 mixture | Chronometric method                           | Blood and derived products |
| 05.0 HEMATOLOGY | 05.5 Hematology – hemostasis   | 20241 - Activated partial thromboplastin time or partial thromboplastin time + activator (APTT)                            | Chronometric method                           | Blood and derived products |
| 05.0 HEMATOLOGY | 05.5 Hematology – hemostasis   | 20243 - Prothrombin time (INR) including fibrinogen derivative   | Chronometric method                           | Blood and derived products |
| 05.0 HEMATOLOGY | 05.5 Hematology – hemostasis   | 20248 - Thrombin time (TT)   | Chronometric method                           | Blood and derived products |
| 05.0 HEMATOLOGY | 05.7 Hematology – immunology   | 20390 - Haptoglobin  | Immunoassay - turbidimetry                    | Blood and derived products |
| 05.0 HEMATOLOGY | 05.7 Hematology – immunology   | 20774 - Cryoglobulins (qualitative)  | Precipitation                                 | Blood and derived products |

| Discipline                | Sub-discipline               | Analytical parameter  | Analytical principle                                    | Matrix (sample)                   |
|---------------------------|------------------------------|---|---|-----------------------------------|
| 05.0 HEMATOLOGY           | 05.7 Hematology – immunology | 20776 - Complement C3 (antigen)   | Nephelometry  | Blood and derived products        |
| 05.0 HEMATOLOGY           | 05.7 Hematology – immunology | 20777 - Complement C4 (antigen)   | Nephelometry  | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10007 - Irregular antibodies (manual identification)  | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10024 - Compatibility (manual or automated)   | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10028 - Coombs direct polyspecific or monospecific (automated)  | Immunological method of hemagglutination and derivative | Blood and derived products, cells |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10034 - Polyspecific or monospecific direct coombs (gel technique) (manual)   | Immunological method of hemagglutination and derivative | Blood and derived products, cells |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10060 - Elution (including identification on eluate)  | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10085 - ABO-Rh blood group (automated)  | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10086 - ABO-Rh blood type (manual)  | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10111 - Irregular antibodies (automated identification)   | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10136 - Common erythrocyte phenotype (patient or product / by antigen / excluding ABO, D / including controls) (manual) | Immunological method of hemagglutination and derivative | Blood and derived products, cells |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10150 - Irregular antibodies (manual search)  | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10153 - Irregular antibodies (automated search)   | Immunological method of hemagglutination and derivative | Blood and derived products        |
| 06.0 TRANSFUSION MEDICINE | 06.0 Transfusion medicine    | 10170 - Antibody titration (per antibody) (including titration on previous serum)                                       | Immunological method of hemagglutination and derivative | Blood and derived products        |

| Discipline        | Sub-discipline                   | Analytical parameter  | Analytical principle                                   | Matrix (sample)            |
|-------------------|----------------------------------|---|--|----------------------------|
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40020 - Multi-resistant gram-negative bacteria (bêta-lactamase-ESBL, carbapenemase) (screening)   | Bacterial culture                                      | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40026 - Semi-quantitative culture from a primary specimen (bronchoscopy)  | Bacterial culture                                      | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40047 - Minimum inhibitory concentration (MIC) microplate/automated card (per bacterium)  | Phenotypic determination: sensitivity tests            | Isolate                    |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40048 - Minimum inhibitory concentration (MIC) (strip) (per antibiotic and per bacterium)   | Phenotypic determination: sensitivity tests            | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40049 - Semi-quantitative culture from a primary specimen (catheter)  | Bacterial culture                                      | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40063 - Vancomycin-resistant Enterococcus (VRE) (specific culture)  | Bacterial culture                                      | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40065 - Microbial identification from a primary specimen (expectorations)   | Bacterial culture                                      | Secretions                 |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40080 - Strepto A, C, G or beta-hemolytic culture from a primary specimen (throat)  | Bacterial culture                                      | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40101 - Blood culture (1 bottle: aerobic or anaerobic)  | Bacterial culture                                      | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40102 - Blood culture (2 bottles: aerobic + anaerobic)  | Bacterial culture                                      | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40125 - Identification of a micro-organism to genus and/or species (API galleries)  | Phenotypic determination: biochemical characterization | Isolate                    |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40126 - Identification of a micro-organism to genus and/or species (identification cards on automated systems such as VITEK®, Phoenix® or MicroScan®) | Phenotypic determination: biochemical characterization | Isolate                    |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40127 - Orientation tests prior to identification of a micro-organism   | Phenotypic determination: biochemical characterization | Isolate                    |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40130 - Gram staining   | Microscopic examination including preparation          | Isolate                    |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40140 - Kirby Bauer (per bacterium) (diffusion antibiogram)   | Phenotypic determination: sensitivity tests            | Isolate                    |

| Discipline        | Sub-discipline                   | Analytical parameter  | Analytical principle | Matrix (sample)            |
|-------------------|----------------------------------|---|----------------------|----------------------------|
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40164 - Detection of microorganisms on primary specimen (cerebrospinal fluid (CSF)) (culture)                         | Bacterial culture    | CSF                        |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40165 - Detection of microorganisms on primary specimen (biological fluid (other than CSF)) (culture)                 | Bacterial culture    | Biological fluid           |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40200 - Neisseria gonorrhoeae (culture) (all sites)   | Bacterial culture    | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40201- Staphylococcus aureus (nose) (culture) (except MRSA)   | Bacterial culture    | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40220 - Detection of microorganisms on primary specimen (ear or external auditory canal) (culture)                    | Bacterial culture    | Secretions                 |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40242 - Detection of microorganisms on primary specimen (deep pus) (with search for anaerobes, including actinomyces) | Bacterial culture    | Secretions                 |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40243 - Detection of microorganisms on primary specimen (superficial pus) (without anaerobic detection)               | Bacterial culture    | Secretions                 |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40260 - Detection of microorganisms on primary specimen (conjunctival secretions) (culture)                           | Bacterial culture    | Secretions                 |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40261 - Detection of microorganisms on primary specimen (Tracheobronchial secretions) (culture)                       | Bacterial culture    | Secretions                 |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40263 - Detection of microorganisms on primary specimen (feces) (culture)   | Bacterial culture    | Feces                      |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40266 - Methicillin-resistant Staphylococcus aureus (MRSA) (specific culture) (chromogenic agar screening)            | Bacterial culture    | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40269 - Group B Streptococcus recto-vaginal culture   | Bacterial culture    | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology | 40271 - Sterility test (blood product)  | Bacterial culture    | Blood and derived products |

| Discipline        | Sub-discipline                     | Analytical parameter   | Analytical principle   | Matrix (sample)            |
|-------------------|------------------------------------|--|--|----------------------------|
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology   | 40280 - Detection of microorganisms on primary specimen (vaginal secretions) (Gram direct for vaginosis) | Microscopic examination including preparation                | Clinical sample            |
| 07.0 MICROBIOLOGY | 07.1 Microbiology – bacteriology   | 40310 - Detection of microorganisms on primary specimen (Urine collected by mid-jet or indwelling probe) | Bacterial culture  | Urine                      |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 20670 - Hepatitis A (HAV) specific IgM   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 20671 - Hepatitis A (HAV) IgG or total antibodies  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 20672 - Hepatitis B (surface antigen antibodies) (anti-HBs) IgG or total antibodies                      | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 20676 - Hepatitis B (surface antigen) (HbsAg)  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 20678 - Hepatitis C (anti-HCV) IgG or total antibodies   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 40740 - Mononucleosis heterophilic antibodies (agglutination)  | Qualitative or quantitative agglutination                    | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 40794 - Rubella IgG or total antibodies (ELISA)  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 40811 - Group A streptococcal anti-streptolysin O (ASO) IgG or total antibodies (quantitative) (manual)  | Immunoassay - turbidimetry                                   | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 40814 - Syphilis non-treponemal antigen (RPR) IgG or total antibodies                                    | Qualitative or quantitative agglutination                    | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 40815 - Syphilis treponemal antigen IgG or total antibodies  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 40832 - Toxoplasmosis IgG or total antibodies (ELISA)  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.2 Microbiology – immunoserology | 40850 - HIV IgG or total antibodies and Ag p24 (ELISA)   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products |
| 07.0 MICROBIOLOGY | 07.4 Microbiology – mycology       | 41050 - Yeast (specific culture)   | Fungal culture   | Clinical sample            |

| Discipline                | Sub-discipline                   | Analytical parameter   | Analytical principle   | Matrix (sample)   |
|---------------------------|----------------------------------|--|--|---|
| 07.0 MICROBIOLOGY         | 07.5 Microbiology – parasitology | 41120 - Malaria (rapid Ag detection) (immunochromatography)  | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Blood and derived products  |
| 07.0 MICROBIOLOGY         | 07.5 Microbiology – parasitology | 41171 - Trichomonas vaginalis (ag detection)   | Enzyme immunoassays (chemiluminescence, EIA and derivatives) | Clinical sample   |
| 08.0 ANATOMICAL PATHOLOGY | 08.1 Pathology – clinical        | 60050 - Special staining   | Microscopic examination including preparation                | Tissue/cell blocks (paraffin, others), cells, fresh tissue  |
| 08.0 ANATOMICAL PATHOLOGY | 08.1 Pathology – clinical        | 60141 - Extemporaneous examination (including staining)  | Microscopic examination including preparation                | Tissue/cell blocks (paraffin, others), cells, fresh tissue  |
| 08.0 ANATOMICAL PATHOLOGY | 08.1 Pathology – clinical        | 60151 - Immunohisto/cytochemistry (immunohistochemistry) (including controls)                              | Immunohistochemistry   | Tissue/cell blocks (paraffin, others), cells, blood and derived products, other biological fluids |
| 08.0 ANATOMICAL PATHOLOGY | 08.1 Pathology – clinical        | 60189 - Immunohistochemical Biomarkers (for therapeutic purposes) (per marker, including count)            | Immunohistochemistry   | Tissue/cell blocks (paraffin, others), cells, blood and derived products, other biological fluids |
| 08.0 ANATOMICAL PATHOLOGY | 08.1 Pathology – clinical        | 60200 - Routine staining, paraffin-embedded tissue   | Microscopic examination including preparation                | Tissue/cell blocks (paraffin, others), cells, fresh tissue  |
| 08.0 ANATOMICAL PATHOLOGY | 08.3 Pathology – cytology        | 60470 - Cervical-Vaginal Smears (including liquid medium) (cytologist reading only)                        | Microscopic examination including preparation                | Cells   |
| 08.0 ANATOMICAL PATHOLOGY | 08.3 Pathology – cytology        | 60471 - Non-gynecological smear or cyto centrifugation (preparation and staining)                          | Microscopic examination including preparation                | Cells   |
| 08.0 ANATOMICAL PATHOLOGY | 08.3 Pathology – cytology        | 60472 - Non-gynecological smear or cyto centrifugation (including liquid medium) (cytologist reading only) | Microscopic examination including preparation                | Cells   |
| 08.0 ANATOMICAL PATHOLOGY | 08.3 Pathology – cytology        | 60473 - Cervical-vaginal smears (preparation and staining)   | Microscopic examination including preparation                | Cells   |

**Notes**

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

**ISO 22870:2016:** Point-of-care testing (POCT) — Requirements for quality and competence

**CAN/CSA-Z902-20** – Blood and Blood Components

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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Elias Rafoul  
Vice President, Accreditation Services  
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**APPENDIX A  
SITES UNDER THE RESPONSIBILITY OF THE ACCREDITED LABORATORY**

**Département clinique de médecine de laboratoire du Centre universitaire de santé  
de McGill (CUSM) (Site Hôpital général du Lakeshore)**

**160, Stillview Avenue, Pointe-Claire (Québec) H9R 2Y2**

Not applicable: The group's external sites are all listed in Appendix A of the Glen "server  
lab" site (BNQ File No.: 56679-1 / SCC File No.: 151112).