

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 600

Legal Name of Accredited Laboratory: Health Canada, RORB, Health Products and Food Laboratories/ Santé Canada, DGORR, Laboratoires Des Produits de Santé et Aliments

Location Name or Operating as (if applicable): MICROBIOLOGY LABORATORY,
LABORATOIRE DE MICROBIOLOGIE

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SCC File Number:	15743
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological Chemical/Physical
Program Specialty Area:	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Environmental Testing (ET) Test Method Development and Evaluation and Non-routine Testing (TMDNRT)
Initial Accreditation:	2006-04-25
Most Recent Accreditation:	2021-02-20
Accreditation Valid to:	2026-04-25

TEST METHOD DEVELOPMENT AND EVALUATION AND NON-ROUTINE TESTING

Note: The laboratory accredited under this PSA has demonstrated that it meets ISO/IEC 17025 requirements for non-routine testing under the following product classifications.

CHEMICALS AND CHEMICAL PRODUCTS

ANIMAL AND PLANTS (AGRICULTURE)

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Description of Activities (Microbiological Tests):

1. Development, evaluation and validation of testing methods for the detection, isolation, identification and characterization of microorganisms.
2. Development, evaluation and validation of new analysis / rapid testing kits, including commercial testing kits for the detection and/or enumeration of microorganisms.
3. Modification, improvement and validation of published or existing methods for the detection and/or enumeration of microorganisms.
4. Performance of non-routine tests to meet client needs in the techniques listed below.

Description of Activities (Molecular Biology Tests):

1. Development, evaluation and validation of molecular detection or characterization methods for the detection and characterization of microorganisms (bacteria, moulds, yeast and viruses).
2. Development, evaluation and validation of new molecular methods / testing kits, including commercial testing kits for the detection and/or identification of pathogenic microorganisms.
3. Modification, improvement and validation of published or existing molecular methods for the detection and/or identification of microorganisms.
4. Performance of non-routine molecular tests to meet client needs in the techniques listed below.

Description of Activities (Chemical Tests):

1. Development and validation of methods for the analysis of chemical contaminants and multielements.
2. Modification, adaptation, improvement and validation of existing methods for the analysis of chemical contaminants and multielements.
3. Development of methods using techniques such as chromatography, spectrometry and spectrophotometry for the analysis of chemical contaminants and multielements.
4. Performance of non-routine tests to meet client needs in the techniques listed below.

Description of Techniques (Microbiological and Molecular Biology Tests):

1. Detection and/or enumeration of microorganisms by conventional and/or genetic microbiology techniques.
2. Identification/characterization of microorganisms by biochemical and/or immunological tests and/or protein profiling and/or genetic tests (PCR, real-time PCR, qPCR, qRT-PCR, molecular hybridization, VITEK, VIDAS, BAX, MALDI-TOF, etc.).

Description of Techniques (Chemical Tests):

1. Liquid chromatography (HPLC, UHPLC) with various detection methods

2. Gas chromatography (GC) with various detection methods
3. Inductively coupled plasma mass spectrometry (ICP-MS)

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

MFHPB-30	Isolation of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp. from foods and environmental samples
MFLP-01	Isolation of <i>Listeria monocytogenes</i> from food samples

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Water Quality:

Process Waters

Surface Waters

Drinking Waters

QLA-MA-0022	Determination of metals in water (modified SM 3125 B)
QLA-MA-0038	Determination of haloacetic acids in drinking water by GC-MSD (modified USEPA 552.3)
QLA-MA-0044	Determination of pH and alkalinity in water (modified SM 2320 B and 4500-H ⁺ B)
QLA-MA-0045	Determination of colour in drinking water (modified SM 2120 C)
QLA-MA-0048	Determination of conductivity and total dissolved solids in water (modified SM 2510 B)
QLA-MA-0049	Determination of water turbidity (modified SM 2130 B)
QLA-MA-0051	Analysis of N-Nitrosodimethylamine (NDMA) in drinking water by SPME-GC-MS
QLA-MA-0053	Direct analysis of herbicides in drinking water by LC-MS/MS
QLA-MA-0054	Measurement of anions in water by ion chromatography
QLA-MA-0069	Analysis of lead and copper in drinking water by ICP-MS
QLA-MA-0058 (SUSPENDED)	Analysis of total suspended solids (TSS) in water

Other (Hair):

QLA-MA-0050	Analysis of total and inorganic mercury in hair
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Number of Scope Listings: 17

Notes:

ISO/IEC 17025-2017: General requirements for the competence of testing and calibration laboratories

MFHPB: Method Food Health Protection Branch, Methods for the Microbiological Analysis of Foods, Compendium of Analytical Methods, Health Protection Branch, Health Canada.

MFLP: Microbiology Food Laboratory Procedure, Laboratory Procedures for the Microbiological Analysis of Foods, Compendium of Analytical Methods, Health Protection Branch, Health Canada.

QLA-MA: Internal laboratory method

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.

Elias Rafoul
Vice-President, Accreditation Services
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