

Standards Council of Canada

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SCOPE OF ACCREDITATION

**Canadian Food Inspection Agency
CALGARY LABORATORY
3650-36 Street N.W.
Calgary, AB
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Accredited Laboratory No. 259
(Conforms with requirements of ISO/IEC 17025:2005, RG-TMDNRT)

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CLIENTS SERVED: Normally reserved for Internal Clients.

FIELDS OF TESTING: Biological, Chemical/Physical

PROGRAM SPECIALTY AREA: Agriculture Inputs, Food, Animal Health and Plant Protection (PSA-AFAP)

INITIAL ACCREDITATION DATE: 1997-10-08

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ACCREDITATION VALID TO: 2021-10-08

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products: (Human and Animal Consumption)

TEST METHOD DEVELOPMENT & EVALUATION AND NON-ROUTINE TESTING

Chemical Analysis

1. **Development and validation of new testing methods for the screening and quantification of pesticide residues in various food, beverages and/or food products such as fruits, vegetables, wine, juice, tea, infant foods, grains, and agricultural matrices.**
2. **Modification, adaptation, improvement and validation of existing test methods for the screening of Pesticide Residues in fertilizers, food, fish, pulses, wine, juice, honey, food products and agricultural matrices.**
3. **Modification, adaptation, improvement and validation of existing test methods for the screening of Environmental contaminants including dioxins, furans and PCB s in fish and dairy.**
4. **Development of instrumental techniques such as HPLC, LC-MSMS, UHPLC/ESI-MSMS, GC-MS, GC-MSMS, GC-HRMS and as related to the screening and quantification of pesticide residues, and environmental contaminants in the corresponding, respective matrices stated above in 1.to 3.4.**

Biological Analysis

1. **Development and validation of molecular and cultural analytical methods for detection, quantification, isolation, identification and characterization of microorganisms in food, water and environmental samples.**
2. **Modification, improvement, and validation of published or existing methods for quantification, isolation, identification and characterization of microorganisms in food, water and environmental samples.**
3. **Development, modification and validation of methodology for identification of meat species.**

(Biological Tests - Microbial Contaminants Unit)

CFIAFMWG-001	Enumeration of <i>Escherichia coli</i> in Fresh Produce Using Compact Dry EC Medium Count Plates
CFIAFMWG-005	The DuPont System method for the detection of <i>Shigella</i> spp. in fresh fruits and vegetables
ISO 21528	Horizontal methods for the detection and enumeration of Enterobacteriaceae
ISO 22964	Detection of <i>Enterobacter sakazakii</i> (<i>Cronobacter</i>)
MFHPB-03	Determination of the pH of Foods Including Foods in Hermetically Sealed Containers
MFHPB-10	Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples
MFHPB-18	Determination of the Aerobic Colony Count in Foods Only for: Mesophilic bacteria
MFHPB-19	Enumeration of Coliforms, Faecal Coliforms and of <i>E. coli</i> in Foods Using the MPN Method
MFHPB-20	

	Isolation and Identification of <i>Salmonella</i> from Foods and Environmental Samples
MFHPB-21	Enumeration of <i>Staphylococcus aureus</i> in Foods
MFHPB-22	Enumeration of Yeasts and Moulds in Foods
MFHPB-23	Enumeration of <i>Clostridium perfringens</i> in Foods
MFHPB-30	Isolation of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp from Food and Environmental Samples
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plate
MFHPB-34	Enumeration of <i>E. coli</i> and Coliforms in Food Products and Food Ingredient using 3M™ Petrifilm™ <i>E. coli</i> Plates
MFLP-15	The Detection Of <i>Listeria</i> Species from Environmental Surfaces Using the Dupont Qualicon BAX® System Method and Direct Plating
MFLP-22	Characterization of Verotoxigenic <i>Escherichia coli</i> O157:H7 Colonies by Polymerase Chain Reaction (PCR) and Cloth-Based Hybridization Array System (CHAS)
MFLP-25	Isolation and Identification of <i>Shigella</i> spp. From Foods
MFLP-27M	The Dupont Qualicon BAX® System Method for the Detection of <i>Enterobacter sakazakii</i> in Selected Foods
MFLP-28	The Qualicon BAX® System Method for the Detection of <i>Listeria monocytogenes</i> in a Variety of Food
MFLP-29	The Qualicon BAX® System Method for the Detection of <i>Salmonella</i> in a Variety of Food and Environmental Samples
MFLP-30	Detection of <i>Escherichia coli</i> O157:H7 in Select Foods using the BAX® System <i>E. coli</i> O157:H7 MP
MFLP-42	Isolation and Enumeration of <i>Bacillus cereus</i> Group in Foods
MFLP-46	Isolation of Thermophilic <i>Campylobacter</i> in Foods
MFLP-52	Isolation and Identification of Priority Verotoxigenic <i>E. coli</i> (VTEC) in Meat, Fruit, and Vegetable Products
MFLP-53	Identification of <i>Listeria monocytogenes</i> colonies by polymerase chain reaction (PCR) and cloth-based hybridization array system (CHAS)
MFLP-66	Determination of Water Activity Using the Decagon Aqualab
MFLP-74	Enumeration of <i>Listeria monocytogenes</i> in Food
MFLP-75	Procedure for the Isolation of <i>Salmonella</i> species by the Modified Semi-Solid Rappaport Vassiliadis (MSRV) Method
MFLP-76	The Dupont Qualicon BAX® system real-time method for the detection of <i>E. coli</i> O157:H7 in raw beef trim and raw ground beef

USDA/FSIS Chap.17

Identification of Animal Species in Cooked and Canned
Meat and Poultry

(Chemical Tests - Environmental Contaminants Unit)

EC-001	Determination of Polychlorinated Dibenzo-p- Dioxins, Polychlorinated Dibenzofurans and Polychlorinated Biphenyls in Milk, fish, Feed and Feed Additives by Isotope Dilution on GC/HRMS
EC-005	Determination of Polycyclic Aromatic Hydrocarbons in Fish and Smoked Fish by GC/HRMS

(Chemical Tests - Pesticide Residues Unit)

F F-001	Multiresidue Method for the Determination of Pesticides in Animal Feeds (GPC/SPE Clean-up, GC/MSD and HPLC/Fluorescence Detection Method)
F F-007	Determination of Pesticide Residues in Fertilizers using Gas Chromatography/Mass Spectrometry (GC/MSD) and Liquid Chromatography/Mass Spectrometry (LC/MS/MS) Detection
PMR-001	Determination of Pesticides in Fruits and Vegetables (with Solid Phase Extraction Clean-up and GC/MSD and HPLC Fluorescence Detection)
PMR-005	Determination of Pesticides in Difficult Matrix Fruits and Vegetables Matrices (with Solid Phase Extraction Clean-up and GC/MSD and HPLC Fluorescence Detection)
PMR-007	Multi-residue Method for the Determination of Organochlorine Pesticides in Fish and Seafood (GPC/SPE Clean-up, GC/MSD Detection)
PMR-008	Multi-residue Method for the Determination of Organochlorine Pesticides in Fish Oil (GPC/SPE Clean-up, GC/MSD Detection)
PMR-013	Determination of Pesticides in Grains using Ultra High Performance Liquid Chromatography Electrospray Ionization Mass Spectrometry (UHPLC/ESI-MS/MS)
PMR-014	Determination of Pesticides in Pulses using Ultra High Performance Liquid Chromatography Electrospray Ionization Mass Spectrometry (UHPLC/ESI-MS/MS)
PMR-016	Determination of Pesticides in Fruits and Vegetables Using Liquid Chromatography Electrospray Ionization Mass Spectrometry (UHPLC/ESI-MS/MS)
PMR-018	Determination of Pesticides in Nuts and Seeds using Ultra High Performance Liquid Chromatography Electrospray Ionization Mass Spectrometry (UHPLC/ESI MS/MS)
PMR-019	Determination of Pesticides in Nuts and Seeds by GC-MS Detection and QuEChERS Extraction

SPR-002

Determination of EBDC as EDA Conversion in Fruits and Vegetables (HPLC with Fluorescence Detection Method)

Notes:

EC-; F F-; PMR-; SPR-: Methods in the Analytical Methods Manuals of the Canadian Food Inspection Agency Calgary Laboratory.

CFIAFMWG : Methods from the Food Microbiology Working Group of the CFIA

RG-TMDNRT: SCC Requirements and Guidance for Accreditation of Laboratories Engaged in Test Method Development and Non-Routine Testing

ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories

MFHPB; MFLP: Methods in the Compendium of Methods for the Microbiological Examination of Foods. Health Canada

USDA/FSIS: Method in the United States Department of Agriculture/ Food Safety Inspection Service Microbiology Laboratory Guidebook

Elias Rafoul, Vice President
Accreditation Services

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Number of Scope Listings: 45

SCC 1003-15/322

Partner File #0

Partner: None