



SCOPE OF ACCREDITATION

**Canadian Food Inspection Agency
BURNABY LABORATORY
3155 Willingdon Green
Burnaby, BC
V5G 4P2**

Accredited Laboratory No. 325
(Conforms with requirements of, ISO/IEC 17025:2005, RG-TMDNRT)

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CLIENTS SERVED: Internal clients - Canadian Food Inspection Agency

FIELDS OF TESTING: Biological, Chemical/Physical

PROGRAM SPECIALTY AREA: Agriculture Inputs, Food, Animal Health and Plant Protection (PSA-AFAP) , Test Method Development and Non-Routine Testing (PSA-TMDNRT)

INITIAL ACCREDITATION DATE: 2000-03-01

SCOPE ISSUED ON: 2019-05-20

ACCREDITATION VALID TO: 2020-11-20

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products: (Human and Animal Consumption)

TEST METHOD DEVELOPMENT & EVALUATION AND NON-ROUTINE TESTING

Activities under TMDNRT

Chemistry

- **Development and validation of new testing methodology for the screening and determination of allergens, chemical additives, and toxins in in foods, water, and environmental samples.**



- **Modification, improvement and validation of published or existing test methodology for the screening and determination of allergens, chemical additives, and toxins in in foods, water, and environmental samples.**
- **Non-routine testing to meet customer demands.**

Microbiology

- **Development and validation of new testing methodology for the screening and determination of bacteria, bacterial toxins, viruses, and safety parameters in foods, water, and environmental samples.**
- **Modification, improvement and validation of published or existing test methodology for the screening and determination of bacteria, bacterial toxins, viruses, and safety parameters in foods, water, and environmental samples.**
- **Non-routine testing to meet customer demands.**

Techniques under TMDNRT

Chemistry

- **Chemical extraction**
- **Enzyme-linked immunosorbent assay (ELISA) with photometric detection**
- **Fluorimetry**
- **Liquid chromatography (HPLC) with mass spectrometer (MS/MS) and high resolution mass spectrometer (HRMS) detection**
- **Liquid chromatography (HPLC, UPLC)**
- **Titration**

Microbiology

- **Biochemical confirmation**
- **Cloth-based hybridisation array system (CHAS)**
- **DNA and RNA extraction**
- **DNA sequencing**
- **Electrochemistry**
- **Enzyme-linked fluorescent assay (ELFA)**
- **Hydrophobic grid membrane filter analysis**
- **Immunomagnetic separation**
- **Microbiological culture, isolation, identification, and enumeration**
- **Molecular detection and identification of microorganisms, including end point and real-time / quantitative polymerase chain reaction**
- **Most probable number analysis**
- **Viral detection and identification**

(Chemistry)

BFCL-002	Determination of Aflatoxins in Food Products by LC-MS/MS Analysis
BFCL-034	Determination of Patulin (PAT) in Fruit Juices using Solid Phase Extraction Clean-up and HPLC-MS/MS
BFCL-040	Determination of Ochratoxin A (OTA) in Grains and Foodstuffs Using HPLC-MS/MS



BFCL-043	Fumonisin Analysis in Cereal Grains, Cereal Products, and Soy Products Using LC-MS/MS
BFCL-044	Determination of Deoxynivalenol (DON) and Ochratoxin A (OTA) in Cereal and Soy Products Using HPLC-MS/MS
BFCL-047	Multimycotoxin Analysis in Cereal Grains by HPLC-MS/MS
BFCL-048	Determination of Alternariol (AOH) and Alternariol Methyl Ether (AME) in Fruit Juice and Wine by HPLC-MS/MS
BFCL-050	Screening of Mycotoxins in Cereal Grains Using HPLC with High-Resolution Mass Spectrometry
BFCL-052	Determination of Ergot Alkaloids in Cereal Grains Using HPLC-HRMS
BFCL-054	Determination of Zearalenone, α -Zearalenol, β -Zearalenol in Cereal Grains and Grain-Based Products by Liquid Chromatography Tandem Mass Spectrometer (LC-MS/MS)
BFCL-055	Determination of T-2 and HT-2 Toxins in Cereal Grains by LC-MS/MS
BRCL-0002	Determination of Histamine-Like Substances in Food Products by Fluorescence Detection
BRCL-0007	Determination of Sulphite in Food Products, Shellfish, Fish, and Fish Products by Acid-Base Titration
BRCL-0011	Determination of Domoic Acid in Shellfish by UPLC
BRCL-0012	Determination of Paralytic Shellfish Toxins in Shellfish by HPLC-PCOX
3M E96BZL	Immunoperoxidase Assay for Determination of Brazil Nut Protein in Food Samples
3M E96CHW	Immunoperoxidase Assay for Determination of Cashew Protein in Food Samples
3M E96MAC	Immunoperoxidase Assay for Determination of Macadamia Nut Protein in Food Samples
3M E96PEC	Immunoperoxidase Assay for Determination of Pecan Protein in Food Samples
3M E96PST	Immunoperoxidase Assay for Determination of Pistachio Protein in Food Samples
MloBS M2101	Egg (Ovalbumin) ELISA Kit for the Quantitative Determination for Egg Protein in Food
MloBS M2112	Beta-Lactoglobulin ELISA Kit II for the Quantitative Determination for Protein of Allergic Ingredients in Food
MloBS M2113	Casein ELISA Kit II for the Quantitative Determination for Protein of Allergic Ingredients in Food
MloBS M2117	Soya ELISA Kit II for the Quantitative Determination for Protein of Allergic Ingredients in Food
Neogen 8400	Veratox for Mustard Allergen Quantitative Test
Neogen 8430	Veratox for Peanut Allergen Quantitative Test
Neogen 8440	Veratox for Almond Allergen Quantitative Test
R-Biopharm R6802	RIDASCREEN FAST Hazelnut Enzyme Immunoassay for the Quantitative Determination of Hazelnut



R-Biopharm R7001	RIDASCREEN Gliadin Enzyme Immunoassay for the Quantitative Determination of Gliadins and Corresponding Prolamins
R-Biopharm R7202	RIDASCREEN FAST Sesame Enzyme immunoassay for the quantitative determination of sesame
Romer COKAL0948	AgraQuant Walnut Assay (2-60 ppm)
Romer COKAL2248	AgraQuant Crustacea Assay (20-400 ppb)
Romer COKAL2548	AgraQuant Fish Assay (4-100 ppm)

(Microbiology)

CFIAFMWG-001	Enumeration of <i>Escherichia coli</i> in Fresh Produce using Compact Dry EC Medium Count Plates
CFIAFMWG-005	The DuPont™ BAX® System Method for the Detection of <i>Shigella</i> spp in Fresh Fruits and Vegetables
CFIA-FVNRC-05	Method for Detecting RNA Viruses in Food by TaqMan Real-Time Reverse-Transcription Polymerase Chain Reaction (RT-qPCR)
CFIA-FVNRC-11	Method Adapted to the Concentration and Purification of Food Viruses of Clinical Significance with Cationic Magnetic Beads
FDA-BAM-Ch9	<i>Vibrio</i>
ISO 15216-1	Microbiology of Food and Animal Feed Horizontal Method for Determination of Norovirus in Food Using Real-Time RT-PCR [Bivalve Molluscan Shellfish extraction only, excluding quantification/detection]
MFHPB-01	Determination of Commercial Sterility and the Presence of Viable Microorganisms in Canned Foods
MFHPB-03	Determination of the pH of Foods including Foods in Hermetically Sealed Containers
MFHPB-05	Method for the Determination of Micro-Leaks in Hermetically Sealed Metal and Glass Containers
MFHPB-06	Method for Examination and Evaluation of Hermetically Sealed Metal Cans and Glass Container
MFHPB-10	Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples
MFHPB-19	Enumeration of Coliforms, Faecal Coliforms & of <i>E. coli</i> in Foods Using the MPN Method
MFHPB-20	Isolation and Identification of <i>Salmonella</i> from Food and Environmental Samples
MFHPB-21	Enumeration of <i>Staphylococcus aureus</i> 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 Foods and Environmental Samples
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients using 3M™ Petrifilm™ Aerobic Count Plates



MFHPB-34	Enumeration of <i>Escherichia coli</i> and Coliforms in Food Products and Food Ingredients using 3M Petrifilm <i>E. coli</i> Count 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	Characterisation of verotoxigenic <i>Escherichia coli</i> O157:H7 colonies by polymerase chain reaction (PCR) and cloth-based hybridisation array system (CHAS)
MFLP-25 Modified	Isolation and Identification of <i>Shigella</i> Species From Foods
MFLP-26	Detection of <i>Shigella</i> Species In Foods by the Polymerase Chain Reaction (PCR)
MFLP-28	The Qualicon Bax [®] System Method for the Detection of <i>Listeria monocytogenes</i> in a Variety of Food
MFLP-29	The DuPont Bax [®] System Method for the Detection of <i>Salmonella</i> in Foods and Environmental Surface 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-40	Detection of Salmonella in Food Products by the VIDAS [®] Easy Salmonella (SLM) Method
MFLP-42	Isolation and Enumeration of the <i>Bacillus cereus</i> Group in Foods
MFLP-48	Isolation of <i>Yersinia enterocolitica</i> from Foods and Environmental Samples
MFLP-52	Isolation And Identification of Priority Verotoxigenic <i>Escherichia coli</i> (VTEC) In Foods
MFLP-61B	Enumeration of <i>Pseudomonas aeruginosa</i> in Prepackaged Ice and Water in Sealed Containers by the Hydrophobic Grid-Membrane Filter (HGMF) Technique
MFLP-65	Detection of Staphylococcal Enterotoxins in Food Products Using the Vidas Staph Enterotoxin II (SET2), an Elfa (Enzyme Linked Fluorescent Assay) Technique
MFLP-66	Determination of Water Activity Using the Decagon Aqualab
MFLP-74	Enumeration of <i>Listeria monocytogenes</i> in Foods
MFLP-77	Detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp. in Food Products and Environmental Samples by the VIDAS [®] <i>Listeria</i> species Xpress (LSX) Method
MFLP-102	Identification of <i>Vibrio parahaemolyticus</i> Colonies by Real-Time Polymerase Chain Reaction (qPCR)
OPFLP-10	Detection of Norovirus Genogroups I and II using the Conventional and Real-Time Reverse-Transcriptase Polymerase Chain Reaction



Notes:

ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories (17025-2005)

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

BFCL: CFIA, Burnaby Food Composition Laboratory (historical name)

BRCL: CFIA, Boundary Road Chemistry Laboratory (historical name)

CFIA: Canadian Food Inspection Agency

FDA: United States Food and Drug Administration

MFHPB: Microbiology Food Health Protection Branch

MFLP: Microbiology Food Laboratory Procedure

OPFLP: Other Foodborne Pathogens Laboratory Procedure

Elias Rafoul, Vice President
Accreditation Services

Date: 2019-05-21

Number of Scope Listings: 70

SCC 1003-15/392

Partner File #0

Partner: None