



## SCOPE OF ACCREDITATION

**Silliker JR Laboratories ULC (Mérieux NutriSciences)**  
**8255 North Fraser Way, Unit 106**  
**Burnaby, BC**  
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Accredited Laboratory No. 116  
(Conforms with requirements of ISO/IEC 17025:2005)

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CLIENTS SERVED:	All interested parties
FIELDS OF TESTING:	Biological, Chemical/Physical
PROGRAM SPECIALTY AREA:	Agriculture Inputs, Food, Animal Health and Plant Protection (PSA-AFAP)
INITIAL ACCREDITATION DATE:	1993-06-08
SCOPE ISSUED ON:	2019-07-24
ACCREDITATION VALID TO:	2021-06-08

### **ANIMAL AND PLANTS (AGRICULTURE)**

#### **Foods and Edible Products: (Human and Animal Consumption)**

(Dairy Products, Fresh and Processed Fruits and Vegetables, Eggs and Egg Products, Fish, Meat, Soy Products, Bakery Products, Animal Tissue and Animal Derived Foods, Honey)



**(Chemistry)**

AS-CC-003	Phthalates in Foods, Water, Oil and Personal Care Products by GC-MS/MS
AS-CC-015	Determination of 4-Methyl Imidazole in Food by LC-MS/MS
M-C032c	Extractable Metals in Water by ICP-MS
M-C041a	Determination of Sulfites in Foods Using Monier – Williams Method
M-C043	Determination of Toxic Heavy Metals and Elements in Foods by ICP/MS
M-C044d	Nitrites in Water and Milk
M-C044e	Nitrates in Water and Milk
M-C286	Histamine in Fish
M-C557	Arsenic Speciation in Rice, and Rice Products, Water and Dairy Using High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometric Determination
M-C560	Determination of Fluoride in Water
M-C561	Cyanogen Chloride in Water
M-C558a	Determination of Bromate in Water Using High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometry
M-C563	Inorganic Mercury in Water and Dairy using High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometric Determination
M-C563f	Methyl Mercury in Seafood Using High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometric Determination
M-H078dn	Determination of Vitamin D3 (Cholecalciferol) in UHT milk by LC/MS/MS
M-H126	Phenicol Residues in Honey
M-H127	Determination of Sulfonamide Residues in Honey, Eggs and Dairy Products by LC/MS/MS
M-H129	Tetracycline Residues in Honey
M-H141	Benomyl in Fresh and Processed Fruits and Vegetables, Honey and Syrup
M-H146b	Determination of Acrylamide in Food by LC/MS/MS
M-H175	Aflatoxins in Dairy Products
M-H179	Penicillins in Animal Tissue and Animal Derived Foods
M-H182	Endectocides in Animal Tissue and Animal Derived Foods
M-H185	Ceftiofur-Related Residues in Animal Tissue and Animal Derived Foods
M-H186	Dipyron in Animal Tissue and Animal Derived Foods
M-H188	Tetracycline Residues in Animal Tissue and Animal Derived Foods
M-H189	Macrolides in Animal Tissue and Animal Derived Foods



M-H191	Sulfonamides in Animal Tissue and Animal Derived Foods
M-H193	Ionophores in Animal Tissue and Animal Derived Foods by LC/MS/MS
M-H194	Ionophores in Honey
M-H195	Fluoroquinolones in Honey
M-H209	Phenicol Residues in Fish, Shellfish and Crustaceans
M-H212	Emamectin and Ivermectin in Fish and Shellfish
M-H220	Nitrofurantolone Metabolites in Honey
M-H239	Macrolide Residues in Honey
M-H248	Nitrofurantolone Metabolites in Fish and Shellfish
M-H249	Romet-30, Tribissen, and Sulfonamides in Fish and Shellfish
M-H250	Triphenylmethane Dyes in Fish and Shellfish
M-H317a	Determination of Aflatoxin B1, B2, G1 and G2 in Food by LC/MS/MS
M-H318	Tetracycline Residues in Fish and Shellfish
M-H356	Virginiamycin Residues in Animal Tissue and Animal Derived Foods
M-H358	Bacitracin Residues in Animal Tissue and Animal Derived Foods
M-H360	Desoxycarbadox and other Carbadox and Olaquinox-related Metabolites in Animal Tissue and Animal Derived Foods
M-H361	Nitroimidazole Residues in Animal Tissue and Animal Derived Foods
M-H361d	Determination and Confirmation of Nitroimidazoles in Dairy by LC/MS/MS
M-H362	Determination of Aminoglycosides in Animal Tissue and Animal Derived Foods
M-H362a	Aminoglycosides in Honey
M-H363	Determination of Phenicol Residues in Animal Tissue and Animal Derived Foods
M-H364	Penicillin Residues in Honey
M-H402b	Determination of Melamine and Cyanuric Acid in Food and Pet Food Using Liquid Chromatography with Tandem Mass Spectrometry
M-H402d	Determination and Confirmation of Melamine, Ammelide, and Cyanuric Acid in Dairy by LC/MS/MS
M-H402f	Method for Determination of Melamine Residue in Foods using LC/MS/MS
M-H422	Determination of Oil- and Water- Soluble Dyes in Fat-Soluble and Processed Foods by LC/MS/MS
M-H422a	Determination of Water-Soluble Colours in Foods by HPLC
M-H423	Determination of Bisphenol A (BPA) in Infant Formula, using LC/MS/MS
M-H441	Determination of Ochratoxin A (OTA) in Grains and Cereal by LC/MS/MS



M-H442	Determination of Fluoroquinolones and Quinolones in Fish and Shellfish by LC/MS/MS
M-H443	Erythromycin in Fish and Shelled Fish
M-H446	Determination of Deoxynivalenol (DON) in Cereal Grains and Cereal Products using Immunoaffinity Column Clean-up and LC/MS/MS
M-H448	Determination and Confirmation of Non-steroidal Anti-inflammatory drugs (NSAIDs), Hormones and Corticosteroid Drug Residues in Animal Tissue and Animal Derived Foods
M-H551	Determination of Fumonisin B1 and B2 in Cereal Grains and Cereal Products using Immunoaffinity Column Clean-up and LC/MS/MS
M-H552d	Determination of Perchlorate and Chlorate in Water and Dairy Products, and Perchlorate in Fruit (Only for: Apples) by LC/MS/MS
M-H553	Determination of Pesticides in Fresh and Processed Fruits and Vegetables by GC/MS/MS and LC/MS/MS
M-H553m	Determination of Pesticides in Meat by GC/MS/MS and LC/MS/MS
M-H557	Determination of Nitroimidazoles in Fish and Shellfish
M-H559	Determination of Herbicides in Food by LC/MS/MS
M-H561	Multimycotoxins Analysis in Food by LC/MS/MS
M-H562	Determination of Coumarin in Food using LC/MS/MS
M-H563	Determination of Glycoalkaloids in Potato and Potato Based Food using LC/MS/MS
M-H564	Determination of Stilbenes in Salmon, Tilapia and other Aquacultured Finfish using LC/MS/MS
M-H566	Determination of Histamine in Food
M-H567	Determination of Stilbenes, Amphenicols, Endectocides and Erythromycin in Salmon, Tilapia and other Aquacultured Seafood using LC/MS/MS
M-H568	Determination of Sulfonamides, Fluoroquinolones, Nitroimidazoles, Macrolides and Triphenylmethane Dyes in Salmon, Tilapia and other Aquacultured Seafood using LC/MS/MS
M-H574	Determination and Confirmation of Multi-Antibiotic Residues and Honey using LC/MS/MS
M-H575	Determination of Bisphenol A (BPA), Bisphenol S (BPS), Bisphenol F (BPF) and Bisphenol A Diglycidyl Ether (BADGE) in Infant Formula and Processed Food using LC/MS/MS
M-H577	Multi-Class Antibiotic Residues in Dairy and Egg by LC/MS/MS
M-H578	Determination of Multi-Class Antibiotics in Animal Tissue and Cooked, Processed Foods by LC/MS/MS
M-H579	Determination and Confirmation of Coccidiostats in Animal Tissue and Eggs using LC/MS/MS
M-H580	Determination of Glyphosate and AMPA in Fruits, Vegetables and Processed Food by LC/MS/MS
M-H581	Free Beta Agonists in Animal Tissue and Animal Derived Foods using LC/MS/MS



M-H584	Determination of Tiamulin as 8-alpha-hydroxymutilin in Animal Tissue by LC/MS/MS
M-H593	Determination and Confirmation of Triazoxide, Sulcotrione and Tembotrione in Dairy Products by LC/MS/MS
M-H594	Determination and Confirmation of Pesticides in Dairy Products by GC/MS/MS and LC/MS/MS
M-H595	Determination and Confirmation of Steroids in Fish and Shellfish by LC/MS/MS
M-H596	Determination and Confirmation of Metamizole and Phenylbutazone in Dairy by LC/MS/MS
M-H597	Determination and Confirmation of Ethylenethiourea and Propylenethiourea in Dairy by LC/MS/MS
M-H598	Determination and Confirmation of Quaternary Ammonium Compounds (QACs) in Dairy by LC/MS/MS
M-H599	Determination and Confirmation of Acrylamide in Water by LC/MS/MS
M-H600	Determination and Confirmation of Nitrosodimethylamine (NDMA) in Water by LC/MS/MS
M-H601	Determination and Confirmation of Mutagen X in Water by LC/MS/MS
M-H602	Determination and Confirmation of Haloacetic Acids (HAAs) in Water by LC/MS/MS
M-H603	Determination and Confirmation of Total Tulathromycin Residues, Analyzed as CP-60,300, Expressed as Tulathromycin Equivalents in Bovine, Equine and Porcine Kidney, Liver and Muscle by LC-MS/MS
M-H604	Determination and Confirmation of Haloacetoneitriles in Water by GC-MS/MS
M-H606	Determination of Ergot Alkaloids in Cereal Grains by LC/MS/MS
M-H609	Determination and Confirmation of Furan, 2-Methylfuran and 3-Methylfuran in Beer by GC-MS
M-P007h	Pesticides in Honey by GC/MS/MS and LC/MS/MS
M-P031	Determination of Daminozide in Fresh and Processed Fruits and Vegetables and Honey
M-P035	Determination of Fluoroquinolones and Quinolones in Animal Tissue and Animal Derived Foods
M-P040	Determination of Decoquinatate in Animal Tissue and Animal Derived Foods
M-P042	Determination of Gestagens in Animal Tissue and Animal Derived Foods
M-P043	Determination of Chlorophenols in Animal Tissue and Animal Derived Foods
M-P046	Determination of Thyreostatics in Animal Tissue and Animal Derived Foods
M-P047	Identification and Quantitation of Trenbolone in Animal Tissue and Animal Derived Foods



M-P053	Determination of Ethylene Bi-dithiocarbamates (EBDCs) in Fresh and Processed Fruits Vegetables, Honey and Syrup by CS2 Evolution
M-P057	Determination of Protein Bound Metabolites of Nitrofurans in Animal Tissue and Animal Derived Foods
M-P057d	Determination and Confirmation of Metabolites of Nitrofurans in Milk
M-P059	Determination of Zeranol and Stilbenes in Animal Tissue and Animal Derived Foods
M-P061	Determination of Amitraz in Fresh and Processed Fruits and Vegetables
M-P061a	Amitraz in Honey
M-P062	3-MCPD in Food Products by GC/MSD
M-P063	Determination of Carbamates in Animal Tissue and Animal Derived Foods
M-P065	Synthetic Pyrethrins in Animal Tissue and Animal Derived Foods
M-P068	Determination of Anthelmintics in Animal Tissue and Animal Derived Foods
M-P069	Determination of Organochlorine Residues in Animal Tissue and Animal Derived Foods
M-P072	Determination of Organochlorines in Animal Tissue and Animal Derived Foods
M-P074	Determination of Benzimidazole in Animal Tissue and Animal Derived Foods
M-P075	Determination of Ethylenethiourea in Fresh and Processed Fruits and Vegetables, and Honey
M-P078	Extraction of EBDC from Fresh and Processed Fruits and Vegetables, Honey and Syrup as Ethylenediamine
M-P079	Determination of Tranquillizers in Animal Tissue and Animal Derived Foods
M-P524	Determination of Ethyl Carbamate in Alcoholic Beverages using GC/MSD
M-P532	Determination and Confirmation of PAHs in Water by GC/MS/MS
M-P533	Determination and Confirmation of PAHs in Dairy by GC/MS/MS
M-P534	Determination and Confirmation of Benzene in Water by Headspace GC/MS
M-P535	Determination and Confirmation of Furans and Methylfurans in Dairy by Headspace GC/MS
M-P536	Determination and Confirmation of Trihalomethanes (THMs) in Water by Headspace GC/MS
M-P537	Determination and Confirmation of Chloral Hydrate in Water by Headspace GC/MS
M-P538	Determination and Confirmation of 1,4-Dioxane in Water by Headspace GC/MS



M-P539	Determination and Confirmation of Volatile Organic Compounds (VOCs) in Water by Headspace GC/MS
M-P540	Ethanol in Dairy by GC-FID
QA-0200.4116	Water Activity Determination of Foods
QA-0200-4101	Moisture by Vacuum Oven
QA-0200-4102	Moisture by Forced Air Oven
QA-0210-4229	Fat in Food Products by Ether Extraction, Submersion Method
QA-0215-4350	Protein by the Kjeldahl Method - Boric Acid Method (Rapid Distill Method)
QA-0225-2001	Ash by Ignition (Dry Ashing)
QA-0245-2305	Salt by Potentiometric Titration
QA-0270-5304	pH of Various Foods
QA-0400-9001	Beta Agonists in Animal Tissue and Animal Derived Foods

**(Microbiology)**

MFHPB-10	Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples [QA-9901-3381]
MFHPB-18	Determination of the Aerobic Colony Count in Foods
MFHPB-19	Enumeration of Coliforms, Faecal coliforms and of <i>E. coli</i> in Foods using the MPN Method
MFHPB-19 (modified)	Enumeration of Coliforms, Faecal coliforms and of <i>E. coli</i> in Foods using the MPN Method (modified, 3-tube)
MFHPB-20	Methods for the Isolation and Identification of <i>Salmonella</i> from Food and Environmental Samples.
MFHPB-21	Enumeration of <i>Staphylococcus aureus</i> in Foods
MFHPB-22	Enumeration of Yeast and Mold (Dry Foods)
MFHPB-24	Detection of <i>Salmonella</i> Spp. in Foods by the Vidas SLM™ Method
MFHPB-29	Detection of <i>Listeria</i> Spp. in Foods and Environmental Samples by the Vidas Listeria™ Method
MFHPB-30	Isolation of <i>Listeria Monocytogenes</i> and other <i>Listeria</i> species from all Food and Environmental Samples
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients using 3M™ Petrifilm™ and Aerobic Count Plates
MFHPB-34	Enumeration of <i>E.coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Count Plates
MFHPB-35	Enumeration of Coliforms in Food Products and Food Ingredients using 3M™ Petrifilm™ Coliform Count Plates
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	The Dupont Qualicon Bax® System Method for the Detection of <i>E.coli</i> O157:H7 in Raw Beef and Fruit Juice [QA-9901-3336]





MFLP-33	Detection of <i>Listeria monocytogenes</i> in Foods by the VIDAS LMO2 Method
MFLP-49	Detection of Salmonella spp. In Foods Products by the VIDAS UP Salmonella (SPT) Method.
MFLP-59	Detection of Listeria spp in food products and environmental samples with VIDAS ®UP Listeria (LPT) [QA-9901-3762]
MFLP-74	Enumeration of Listeria monocytogenes in Foods
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. [QA-9901-3749]
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-83	Detection of Verotoxins VT 1 and VT 2 by the Merck Duopath® Verotoxin Kit. [QA-9901-3381]
USDA-FSIS MLG 4 (Current Version)	Isolation and Identification of Salmonella from Meat, Poultry, Pasteurized Egg and Siluriformes (Fish)Products. [QA-9901-3262]

**Notes:**

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

**P-RE:** Agriculture Canada Method

**M-:** JR Laboratories Inc. Method

**HPB:** Health Protection Branch

**MFHPB:** HPB Methods of Microbial Analysis for Food

**MFLP:** Laboratory Procedures of Microbiological Analysis for Food (HPB)

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Elias Rafoul, Vice President  
Accreditation Services

Date: 2019-07-24

Number of Scope Listings: 162  
SCC 1003-15/180  
Partner File #0  
Partner: