



TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 116

Legal Name of Accredited Laboratory: **Silliker JR Laboratories ULC (Mérieux NutriSciences)**

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SCC File Number:	150180
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)
Initial Accreditation:	1993-06-08
Most Recent Accreditation:	2020-11-17
Accreditation Valid to:	2021-06-08

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

Foods (includes tests done on multiple of the food categories given below)

QA-0350-2000	Phthalates in Foods, Water, Oil and Personal Care Products by GC-MS/MS
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AS-CC-015	Determination of 4-Methyl Imidazole in Food by LC-MS/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-C557	Arsenic Speciation in Rice, and Rice Products, Water and Dairy Using High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometric Determination
M-H127	Determination of Sulfonamide Residues in Honey, Eggs and Dairy Products by LC/MS/MS
M-H146b	Determination of Acrylamide in Food by LC/MS/MS
M-H317a	Determination of Aflatoxin B1, B2, G1 and G2 in Food by LC/MS/MS
M-H402b	Determination of Melamine and Cyanuric Acid in Food and Pet Food Using Liquid Chromatography with Tandem Mass Spectrometry
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-H552d	Determination of Perchlorate and Chlorate in Water and Dairy Products, and Perchlorate in Fruit (Only for: Apples) by LC/MS/MS
M-H559	Determination of Herbicides in Food by LC/MS/MS
M-H561	Multimycotoxins Analysis in Food by LC/MS/MS
M-H566	Determination of Histamine in Food
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, Glufosinate and Ethephon in Fruits, Vegetables, Honey and Processed Food 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, Dairy, Egg and Honey by LC-MS/MS
M-H611	Determination of Furfuryl Alcohol in Foods by GC-MS
M-P062	3-MCPD in Food Products by GC/MSD or GC/MS/MS
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

Dairy Products

M-C044d	Nitrites in Water and Milk
M-C044e	Nitrates in Water and Milk
M-C563	Inorganic Mercury in Water and Dairy 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-H175	Aflatoxins in Dairy Products
M-H361d	Determination and Confirmation of Nitroimidazoles in Dairy by LC/MS/MS
M-H402d	Determination and Confirmation of Melamine, Ammeline, Ammelide, and Cyanuric Acid in Dairy 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-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-H616	Determination of Non-steroidal Anti-inflammatory Drugs (NSAIDs) in Milk by LC/MS/MS
M-P057d	Determination and Confirmation of Metabolites of Nitrofurans in Milk
M-P072	Determination of Organochlorines in Dairy Products
M-P533	Determination and Confirmation of PAHs in Dairy by GC/MS/MS
M-P535	Determination and Confirmation of Furans and Methylfurans in Dairy by Headspace GC/MS
M-P540	Ethanol in Dairy by GC-FID

Honey / Processed Fruits and Vegetables

M-H126	Phenicol Residues in Honey
M-H129	Tetracycline Residues in Honey
M-H141	Benomyl in Fresh and Processed Fruits and Vegetables, Honey and Syrup
M-H194	Ionophores in Honey
M-H195	Fluoroquinolones in Honey
M-H220	Nitrofurans Metabolites in Honey
M-H239	Macrolide Residues in Honey
M-H362a	Aminoglycosides in Honey
M-H364	Penicillin Residues in Honey
M-H450	Determination of Fumagillin in Honey 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-H574	Determination and Confirmation of Multi-Antibiotic Residues and Honey using LC/MS/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-P053	Determination of Ethylene Bi-dithiocarbamates (EBDCs) in Fresh and Processed Fruits Vegetables, Honey and Syrup by CS2 Evolution



M-P061	Determination of Amitraz in Fresh and Processed Fruits and Vegetables
M-P061a	Amitraz in Honey
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
QA-0350-1303	Determination of Amitraz in Honey and Fresh and Processed Fruits and Vegetables

Grains and Cereal

M-H441	Determination of Ochratoxin A (OTA) in Grains and Cereal by LC/MS/MS
M-H446	Determination of Deoxynivalenol (DON) in Cereal Grains and Cereal Products using Immunoaffinity Column Clean-up and LC/MS/MS
M-H563	Determination of Glycoalkaloids in Potato and Potato Based Food using LC/MS/MS
M-H606	Determination of Ergot Alkaloids in Cereal Grains by LC/MS/MS
M-H607	Determination of T2 and HT-2 in Cereal Grains by LC/MS/MS
M-H608	Determination of Zearalenone, α -Zearalenol, β -Zearalenol in Cereal Grains by LC/MS/MS

Meat / Animal Tissue and Animal Derived Foods

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	Dipyrene 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-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-H362	Determination of Aminoglycosides in Animal Tissue and Animal Derived Foods
M-H363	Determination of Phenicol in Animal Tissue and Animal Derived Foods
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-H553m	Determination of Pesticides in Meat by GC/MS/MS and 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-H617	Determination and Confirmation of Non-steroidal Anti-inflammatory (NSAID), Steroid, Hormone and Tranquilizer Drug Residues in Animal Tissue by LC/MS/MS
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-P057	Determination of Protein Bound Metabolites of Nitrofurans in Animal Tissue and Animal Derived Foods
M-P059	Determination of Zeranol and Stilbenes in Animal Tissue and Animal Derived Foods
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-P074	Determination of Benzimidazole in Animal Tissue and Animal Derived Foods
M-P079	Determination of Tranquillizers in Animal Tissue and Animal Derived Foods
QA-0400-9001	Beta Agonists in Animal Tissue and Animal Derived Foods

Fish / Seafood / Egg

M-C286	Histamine in Fish
M-C563f	Methyl Mercury in Seafood Using High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometric Determination
M-H209	Phenicol Residues in Fish, Shellfish and Crustaceans
M-H212	Emamectin and Ivermectin in Fish and Shellfish
M-H248	Nitrofurans 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-H318	Tetracycline Residues in Fish and Shellfish
M-H442	Determination of Fluoroquinolones and Quinolones in Fish and Shellfish by LC/MS/MS
M-H443	Erythromycin in Fish and Shelled Fish
M-H557	Determination of Nitroimidazoles in Fish and Shellfish
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-H595	Determination and Confirmation of Steroids in Fish and Shellfish by LC/MS/MS
M-P069	Determination of Organochlorine Residues in Egg

Alcoholic Beverages

AOAC 2016.12	Ethanol in Kombucha
M-H609	Determination and Confirmation of Furan, 2-Methylfuran and 3-Methylfuran in Beer by GC-MS
M-P524	Determination of Ethyl Carbamate in Alcoholic Beverages and Baked Products using GC/MSD or GC/MS/MS

Water

M-C032w	Extractable Metals in Water by ICP-MS
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-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-H604	Determination and Confirmation of Haloacetonitriles in Water by GC-MS/MS
M-P532	Determination and Confirmation of PAHs in Water by GC/MS/MS
M-P534	Determination and Confirmation of Benzene in Water 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

Foods - Microbiological Tests / Yeast / Mould

MFHPB-10	Isolation of Escherichia coli O157:H7/NM from foods and environmental surface samples [QA-9901-3381]
MFHPB-17 (modified)	Enumeration of Coliforms in Foods by the Hydrophobic Grid-Membrane Filter (HGMF) Method [QA-9901-3002]
MFHPB-18	Determination of the Aerobic Colony Count in Foods
MFHPB-19	Enumeration of Coliforms, Faecal coliforms and of E. coli in Foods using the MPN Method
MFHPB-19 (modified)	Enumeration of Coliforms, Faecal coliforms and of E. coli in Foods using the MPN Method (modified, 3-tube)
MFHPB-20	Isolation and Identification of Salmonella from Food and Environmental Samples
MFHPB-21	Enumeration of Staphylococcus aureus in Foods
MFHPB-22	Enumeration of Yeast and Moulds (Dry Foods)
MFHPB-23	Enumeration of Clostridium perfringens in Foods [QA-9901-1039]
MFHPB-24	Detection of Salmonella Spp. in Foods by the Vidas SLM™ Method
MFHPB-26 (modified)	Enumeration of E.coli in Foods by HGMF Method [QA-9901-3009]
MFHPB-29	Detection of Listeria Spp. in Foods and Environmental Samples by the Vidas Listeria™ Method
MFHPB-30	Isolation of Listeria Monocytogenes and other Listeria species from Foods and Environmental Samples
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients using 3MTM Petrifilm™ and Aerobic Count Plates
MFHPB-34	Enumeration of E.coli and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ E. coli Count Plates



MFHPB-35	Enumeration of Coliforms in Food Products and Food Ingredients using 3M™ Petrifilm™ Coliform Count Plates
MFLP-28	Detection of Listeria monocytogenes in a Variety of Foods and Environmental Surfaces using the Bax® System L. monocytogenes Assay
MFLP-29	Detection of Salmonella in Foods and Environmental Surface Samples using the Bax® System Salmonella Assay
MFLP-30	Detection of Escherichia coli O157:H7 in Select Foods using the Bax® System E.coli O157:H7 MP [QA-9901-3336]
MFLP-33	Detection of Listeria monocytogenes in Foods by the VIDAS LMO2 Method
MFLP-42 (modified)	Isolation and enumeration of the Bacillus cereus group in foods [QA-9901-1040]
MFLP-49	Detection of Salmonella spp. In Foods Products by the VIDAS UP Salmonella (SPT) Method.
MFLP-54	Detection of Listeria monocytogenes from selected foods using iQCheck™ Listeria monocytogenes Real-time PCR Test Kit [QA-9901-3765]
MFLP-55 (modified)	Enumeration of Faecal Coliform in Foods by HGMF Method [QA-9901-3016]
MFLP-56 (modified)	Determination of Aerobic Colony Count in Foods and Environmental Samples by the Hydrophobic Grid-Membrane Filter (HGMF) Method [QA-9901-3001]
MFLP-59	Detection of Listeria spp in food products and environmental surface 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 E.coli O157:H7 in raw beef trim and raw ground beef. [QA-9901-3749]
MFLP-77	Detection of Listeria monocytogenes and other Listeria spp. in food products and environmental samples by the VIDAS® Listeria species Xpress (LSX) method
MFLP-83	Detection of Verotoxins VT 1 and VT 2 from Escherichia coli O157:H7/NM 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 and Carcass and Environmental sponges. [QA-9901-3262]
USDA- FSIS MLG 4C (Current Version)	FSIS Procedure for the Use of a Polymerase Chain Reaction (PCR) assay for screening Salmonella in Meat, Poultry, Egg and Siluriformes (Fish) Products and Carcass and Environmental sponges [QA-9901-3561]

Number of Scope Listings: 174

Notes:

ISO/IEC 17025:2017: 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)

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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