

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: Canadian Food Inspection Agency

Location Name or Operating as (if applicable): CFIA – Charlottetown Laboratory

Contact Name: Shuchen (Elena) Yan

Address: 93 Mount Edward Road, Charlottetown, PE C1A 5T1

Telephone: +1 782 377 2908

Fax: +1 902 368 0960

Website: www.inspection.gc.ca

Email: Shuchen.yan@inspection.gc.ca

SCC File Number:	15381
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological
Program Specialty Area:	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Test Method Development and Non-routine Testing (TMDNRT)
Initial Accreditation:	2000-01-31
Most Recent Accreditation:	2024-12-02
Accreditation Valid to:	2028-01-31

Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.

Note: This scope of accreditation is also available in French as a document issued separately.

Program Speciality Area

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

TEST METHOD DEVELOPMENT & EVALUATION AND NON-ROUTINE TESTING

Activities under TMDNRT

The Charlottetown Laboratory is primarily involved in plant health issues and the focus is on commodities such as potatoes, lentils and other crops of economic importance. Activities under this program speciality area are dedicated to:

1. Conduct research on the biology of plant diseases relevant to regulatory requirements and the preservation of Canada’s plant resources.
2. Develop and evaluate biological, serological, biochemical, and molecular methods for the detection and identification of plant pathogens.
3. Modify, improve and validate published or existing methods for the identification of plant pathogenic organisms.
4. Conduct non-routine testing to meet customer demands.

Techniques under TMDNRT

The Charlottetown Laboratory develops test methods and performs non-routine testing using molecular detection techniques:

- Real-time qPCR
- Conventional PCR
- Sequencing

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

Edible Vegetables and Certain Roots and Tubers

(Enzyme-Linked immunosorbent assay – ELISA)

CL-DIA-DIA-053	Standard Operating Procedure for the Detection of <i>Spongospora subterranean</i> in Potato Tubers
CL-DIA-DIA-075	Procedure for the Detection of <i>Pantoea stewartii</i> in Corn Leaves and Seed
CL-PRO-001	Protocol for the Detection of <i>Clavibacter sepedonicus</i> , the Bacterial Ring Rot Pathogen in Potato
CL-PRO-002	Protocol for the Detection of Potato Viruses by an Enzyme-Linked Immunosorbent Assay, (Double Antibody Sandwich and Triple Antibody Sandwich)

(Immunofluorescence - IMF)

CL-PRO-001	Protocol for the Detection of <i>Clavibacter sepedonicus</i> , the Bacterial Ring Rot Pathogen in Potato
------------	--

(Molecular Biological Techniques)

CL-DIA-DIA-051	Standard Operating Procedure for total RNA Extraction and RT-PCR for the Detection and Identification of AMV, PSTVd, PMTV, and TRV in Potatoes
CL-DIA-DIA-074	Procedure for the Total Extraction of DNA from Potato Stem and Tuber Tissues, Geranium Stems and Tomato Stems for the Detection of <i>Ralstonia solanacearum</i> Race 3 Biovar 2 using Real Time TaqMan PCR
CL-DIA-NEM-006	Identification of <i>Globodera</i> Species using Polymerase Chain Reaction (PCR) based techniques
CL-DIA-NEM-009	Morphological and Molecular Identification of <i>Ditylenchus spp.</i>
CL-DIA-DIA-067	Real Time TaqMan PCR for the Detection of Bacteria Ring Rot (<i>Clavibacter sepedonicus</i>) from Potato Stem and Tuber Tissues
CL-DIA-DIA-077	Real-time TaqMan PCR Detection of <i>Synchytrium endobioticum</i>
CL-PRO-004	Protocol for the Detection of PVY, PLRV, PVS, PVX and PVA in Dormant Potato Tubers by Reverse Transcriptase Polymerase Chain Reaction

(Mycological examinations)

CL-DIA-DIA-044	Potato Wart Disease Diagnostic Procedure
CL-DIA-DIA-080	Bioassay and susceptibility testing for <i>Synchytrium endobioticum</i>

(Nematode detection)

CL-DIA-NEM-001	Isolation of <i>Ditylenchus dipsaci</i> or <i>D. weischeri</i> from Pulse Seeds
CL-DIA-NEM-004	Cyst Nematode Extraction and Diagnosis
CL-DIA-NEM-005	Mounting and Identification of Potato Cyst Nematodes, <i>Globodera rostochiensis</i> and <i>Globodera pallida</i>

(Reverse Polyacrylamide Gel Electrophoresis – R-Page)

CL-PRO-003	Protocol for the Detection of <i>Potato Spindle Tuber Viroid</i> in Leaf and Tuber Tissue, Reverse Polyacrylamide Gel Electrophoresis
------------	---

Number of Scope Listings: 18

Number of Techniques Listings: 3

Notes:

BRR – Bacterial ring rot

AMV– Alfalfa mosaic virus

PSTVd – Potato spindle tuber viroid

PMTV – Potato mop-top virus

TRV – Tobacco rattle virus

PVY – Potato virus Y

PLRV – Potato leafroll virus

PVS – Potato virus S

PVX – Potato virus X

PVA – Potato virus A

PCR – Polymerase Chain Reaction

RT-PCR – Reverse Transcription Polymerase Chain Reaction

RNA – Ribonucleic Acid

DNA – Deoxyribonucleic Acid

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-ccn.ca.

Elias Rafoul
Vice-President, Accreditation Services
Publication on: 2024-12-12