

600-55 Metcalfe Street
Ottawa, ON K1P 6L5
Canada

55, rue Metcalfe, bureau 600
Ottawa, ON K1P 6L5
Canada

SCOPE OF ACCREDITATION

**Canadian Food Inspection Agency
CFIA - CHARLOTTETOWN LABORATORY
93 Mount Edward Road
Charlottetown, PE
C1A 5T1**

Accredited Laboratory No. 314

(Conforms with requirements of CAN-P-1587 , CAN-P-1595 , ISO/IEC 17025:2005)

CONTACT: Shara Cody
TEL: +1 902 368 0950 ext 246
FAX: +1 902 368 0960
EMAIL: shara.cody@inspection.gc.ca
URL: <http://inspection.gc.ca>

CLIENTS SERVED: Normally reserved for internal clients

FIELDS OF TESTING: Biological

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

INITIAL ACCREDITATION DATE: 2000-01-31

SCOPE ISSUED ON: 2017-10-25

ACCREDITATION VALID TO: 2020-01-31

TEST METHOD DEVELOPMENT AND EVALUATION AND NON-ROUTINE TESTING

Description of activities

The Charlottetown Laboratory is primarily involved in plant health issues and currently the focus is on commodities such as potatoes, lentils and other crops of economic importance. The main emphasis of the Technology Development section is:

1. To conduct research on the biology of plant diseases relevant to regulatory requirements and the preservation of Canada's plant resources,
2. To develop and/or validate, state-of-the-art biological, serological, biochemical, and molecular methods for the detection and identification of plant pathogens
3. To modify, improve and validate published or existing methods for the identification of plant pathogenic organisms
4. To conduct non-routine testing to meet client demands.

Procedures used in support of Test Method Development and Evaluation and Non-Routine Testing:

SOP-CL-TDV-GEN-004 "Project Management in the Technology Development Section."

SOP-CL-MSP-046 "Validation and Implementation of Diagnostic Test Methods at the Charlottetown Laboratory."

SOP-CL-MSP-050 "Defining and Reactivating Routine Analysis Conducted Infrequently Testing"

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products: (Human and Animal Consumption)

Edible Vegetables and Certain Roots and Tubers

(Enzyme linked immunosorbant 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 michiganensis</i> subsp. <i>sepedonicus</i> , the Bacterial Ring Rot Pathogen in Potato." |
| CL-PRO-002 | "Protocol for the Detection of Potato Viruses by an Enzyme Immunosorbant Assay, (Double Antibody Sandwich and Triple Antibody Sandwich)." |

(Immunofluorescence - (IMF))

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

(Molecular Biological Techniques)

| | |
|----------------|--|
| CL-DIA-DIA-051 | Standard Operating Procedure for total RNA Extraction, RT-PCR and Restriction Analysis for the Detection and Identification of <i>AMV</i> , <i>PSTVd</i> , <i>PVYO</i> , <i>PMTV</i> , <i>PLRV</i> , and <i>TRV</i> 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 | "Procedure for the Total Extraction of DNA from Potato Stem and Tuber Tissues for the Detection of Bacterial Ring Rot (<i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i>) using Real Time TaqMan PCR. |
| CL-DIA-DIA-077 | Real-time TaqMan PCR Detection of <i>Synchytrium endobioticum</i> in the Chloroform Flootation Fraction of Sieved Soil |
| 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 for <i>Synchytrium endobioticum</i> |

(Nematode Detection)

| | |
|----------------|--|
| CL-DIA-NEM-001 | "Isolation and Identification of <i>Ditylenchus dipsaci</i> from Pulse Seeds." |
| CL-DIA-NEM-004 | "Cyst Nematode Extraction and Diagnosis." |
| CL-DIA-NEM-005 | "The Mounting and Identification of Cyst Nematodes." |

(Reverse Polyacrylamide Gel Electrophoresis - (R-Page))

| | |
|------------|---|
| CL-PRO-003 | "Protocol for the Detection of Potato Spindle Tuber Viroid in Leaf and Tuber Tissue. Reverse Polyacrylamide Gel Electrophoresis." |
|------------|---|

Notes:

Standards Council of Canada Accredited Laboratory No. 314

BRR-Protocol (CL-PRO-001), DAS-TAS Protocol (CL-PRO-002), RT-PCR for viruses (CL-PRO-004) and the PSTV Protocol (CL-PRO-003) are official protocols issued by the Canadian Food Inspection Agency for the detection of the respective organisms as identified in the scope of testing.

CAN-P-4E (ISO/IEC 17025:2005): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

CAN-P-1587: Requirements Accreditation Of Agriculture Inputs, Food, Animal Health And Plant Protection Testing Laboratories

CAN-P-1595: Requirements for the Accreditation of Laboratories Engaged in Test Method Development and Evaluation and Non-Routine Testing

CL-DIA: Subject laboratory in-house test methods

CL-PRO: Subject laboratory official CFIA protocols

Cynthia Milito, Acting Vice President
Accreditation Services

Date: 2017-10-25

Number of Scope Listings: 21

SCC 1003-15/381

Partner File #0

Partner: None