

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

Accredited Laboratory No. 372

**Legal Name of Accredited Laboratory:** **Canadian Food Inspection Agency**

Location Name or Operating as (if applicable): CFIA - SIDNEY LABORATORY, CENTRE FOR PLANT HEALTH

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<b>SCC File Number:</b>	15454
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Biological
<b>Program Specialty Area:</b>	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Test Method Development and Evaluation and Non-routine Testing (TMDNRT)
<b>Initial Accreditation:</b>	2001-01-22
<b>Most Recent Accreditation:</b>	2021-04-28
<b>Accreditation Valid to:</b>	2025-01-22

*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 separately issued document.*

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

## **TEST METHOD DEVELOPMENT AND EVALUATION AND NON-ROUTINE TESTING**

### **Description of Techniques:**

1. Nucleic acid extraction technologies
2. PCR based technologies
3. Serological technologies including Enzyme linked immunosorbent assay (ELISA)
4. Herbaceous and woody bioassays
5. Sequencing technologies

### **Description of activities:**

The Sidney Laboratory, Centre for Plant Health provides virus and virus-like disease pathogen testing of imported tree fruits, small fruits and grapevines and export certification testing for these crops and other crops of economic importance. Activities under this program specialty area are dedicated to:

1. The development, validation and application of methods for the detection, identification and characterization of plant pathogens.
2. The modification, improvement and validation of published or existing biological, serological and molecular methods for the detection and identification of plant pathogens.
3. Conducting non-routine testing to meet client demands. Conducting research on behalf of the CFIA on plant diseases relevant to regulatory requirements.

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

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

Edible Fruits and Nuts

#### **Other (specify): (Herbaceous Bioassays)**

CPHGD0301	Herbaceous Bioassay for the Viruses in Fruit Trees, Grapevines and Other Crops
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#### **(Virus diseases in grapevines, in tree fruits - Molecular Assays)**

CPHGD1301	Real-time PCR and RT-PCR for the Detection of Viruses and Other Plant
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	<p>Pathogens in Fruit Trees, Grapevines and Other Crops <i>Pathogens detected:</i></p> <ul style="list-style-type: none"> <li>▪ Real-time RT-PCR for the Detection of Hop Stunt Viroid in Tree Fruits</li> <li>▪ Real-time RT-PCR for the Detection of Little Cherry Virus 1 in Tree Fruits</li> <li>▪ Real-time PCR for the Detection of Phytoplasmas in Tree Fruits</li> <li>▪ Real-time PCR for the Detection of Phytoplasmas in Grapevines</li> <li>▪ Real-time RT-PCR for the Detection of Plum Bark Necrosis Stem Pitting Associated Virus in Tree Fruits</li> </ul>
CPHGD0401	<p>PCR and RT-PCR for the Detection of Viruses and Other Plant Pathogens in Fruit Trees, Grapevines and Other Crops <i>Pathogens detected:</i></p> <ul style="list-style-type: none"> <li>▪ RT-PCR for the Detection of Plum Pox Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Grapevine Virus B in Grapevines</li> <li>▪ RT-PCR for the Detection of Apple Chlorotic Leaf Spot Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of American Plum Line Pattern Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Apple Dimple Fruit Viroid in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Apple Fruit Crinkle Viroid in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Apple Scar Skin Viroid in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Apple Stem Pitting Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Apple Stem Grooving Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Apricot Latent Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Asian Prunus Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Cherry Green Ring Mottle Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Cherry Leaf Roll Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Cherry Mottle Leaf Virus in Tree Fruits</li> </ul>

	<ul style="list-style-type: none"> <li>▪ RT-PCR for the Detection of Cherry Necrotic Rusty Mottle Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Cherry Rasp Leaf Virus in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Cherry Rusty Mottle in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Cherry Virus A in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Little Cherry Virus 1 in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Little Cherry Virus 2 in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Pear Blister Canker Viroid in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Peach Latent Mosaic Viroid in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Universal Trifocap in Tree Fruits</li> <li>▪ RT-PCR for the Detection of Grapevine Leafroll-Associated Virus 1 in Grapevines</li> <li>▪ RT-PCR for the Detection of Grapevine Leafroll-Associated Virus 3 in Grapevines</li> <li>▪ RT-PCR for the Detection of Grapevine Leafroll-Associated Virus 2 in Grapevines</li>   <li>▪ PCR for the Detection of Grapevine Red Blotch Virus in Grapevines</li> <li>▪ RT-PCR for the Detection of Grapevine Virus A in Grapevines</li> <li>▪ RT-PCR for the Detection of Grapevine Virus D in Grapevines</li> <li>▪ RT-PCR for the Detection of Tomato Black Ring Virus in Grapevines</li> </ul>
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**(Virus or virus-like diseases in grapevines, in tree fruits, in small fruits - Serological Assays)**

CPHGD1701	<p>ELISA Testing for the Detection of Viruses and Other Plant Pathogens in Fruit Trees, Grapevines and Other Crops</p> <p><i>Pathogens Detected:</i></p> <ul style="list-style-type: none"> <li>▪ Apple Chlorotic Leafspot Virus in Tree Fruits</li> <li>▪ Apple Mosaic Virus in Tree Fruits</li> <li>▪ Prune Dwarf Virus in Tree Fruits</li> <li>▪ Prunus Necrotic Spot Virus in Tree Fruits</li> <li>▪ Plum Pox Virus in Tree Fruits</li> <li>▪ Tomato Ringspot Virus in Tree Fruits</li> <li>▪ Arabis Mosaic Virus and Grapevine Fanleaf Virus in Grapevines</li> </ul>
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	<ul style="list-style-type: none"> <li>▪ Grapevine Leafroll-Associated Virus 1 and Grapevine Leafroll-Associated Virus 3 in Grapevines</li> <li>▪ Grapevine Leafroll-Associated Virus Generic 4 Strains in Grapevines</li> <li>▪ Raspberry Ringspot Virus in Grapevines</li> <li>▪ Strawberry Latent Ringspot Virus in Grapevines</li> <li>▪ Tomato Ringspot Virus in Grapevines</li> </ul>
CPHTF0101	Triple Antibody Sandwich ELISA for Plum Pox Virus Surveys
CPHTF9710	Indirect ELISA for the Detection of Cherry Mottle Leaf Virus in Prunus spp.

**(Woody Bioassays)**

CPHGV9702	Detection of Diseases Infecting Grapevine (Vitis spp.) by Bioassay Indexing on Field Indicators
CPHTF9701	Virus Testing of Malus spp. by Woody Host Bioassay
CPHTF9702	Virus Testing of Prunus spp. by Woody Host Bioassay
CPHTF9703	Virus Testing of Pyrus/Cydonia spp. by Woody Host Bioassay

Number of Scope Listings: 10

SCC 1003-15/454

**Notes:**

**ISO/IEC 17025:2017:** General Requirements for the Competence of Testing and Calibration Laboratories



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](http://www.scc.ca).

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