

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): National Centre for Foreign Animal Disease,
Canadian Science Centre for Human & Animal Health

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SCC File Number:	15579
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:	2002-07-10
Most Recent Accreditation:	2023-09-01
Accreditation Valid to:	2026-07-10

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.

TEST METHOD DEVELOPMENT AND NON-ROUTINE TESTING

Description of Activities under TMDNRT:

For the development and modification of test methods for detection, identification and characterization (pathotyping and serotyping) of animal viruses, and for the detection and characterization of antibodies to these agents. These activities include:

1. Development, evaluation and validation of new testing methodology for the detection and characterization of these agents and antibodies in animal tissues and sera;
2. Modification, improvement and validation of published or existing methodology for the detection and characterization of these agents and antibodies in animal tissues and sera; and
3. Experimental development of methods to study the pathogenicity, risk, transmission and containment and control of these agents.

Description of Techniques under TMDNRT:

1. Agar gel immunodiffusion (AGID);
2. Enzyme-linked immunosorbent assay (ELISA): competitive, blocking, indirect, antigen detection by double antibody sandwich;
3. Virus neutralization (VN) / Serum neutralization (SN);
4. Hemagglutination inhibition (HI) and hemagglutination (HA);
5. Polymerase chain reaction (PCR): conventional and real time reverse transcription;
6. Virus Isolation and Identification which includes egg inoculation, tissue culture, immunoperoxidase assay (IPA) and electron microscopy (EM);
7. Microscopic examination for detection of histopathology in animals which includes immunohistochemistry (IHC), routine (H&E), special histology staining techniques, and electron microscopy (EM); and
8. Sequencing of RNA and DNA.

Current controlled list of test methods under the flexible scope is maintained by the laboratory and is available upon request.

ANIMAL AND PLANTS (AGRICULTURE)

Veterinary:

Description of Activities:

Certified test kits and validated in-house test methods are used in the analysis of test specimens to exclude foreign animal diseases and to support regulatory, surveillance, and international trade activities by:

1. Detection, identification and characterization of animal viruses in animals, animal tissue and biological fluids.

2. Detection and characterization of antigens and antibodies to these agents in animal tissue and biological fluids.
3. Detection and sequencing of RNA/DNA to these agents.
4. Non-routine testing to meet urgent demands for testing high-risk specimens' diseases.

Description of Techniques:

Same as listed above for Test Method Development Non-Routine Testing.

Number of Technique Listings: 16

Notes:

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

RG-TMDNRT: SCC Requirements and Guidance for Accreditation of Laboratories Engaged in Test Method Development and Non-Routine Testing

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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