



SCOPE OF ACCREDITATION

**Canadian Food Inspection Agency
NATIONAL CENTRE FOR FOREIGN ANIMAL DISEASE
Canadian Science Centre for Human & Animal Health 1015 Arlington Street
Winnipeg, MB
R3E 3M4**

Accredited Laboratory No. 453
(Conforms with requirements of ISO/IEC 17025:2005, RG-TMDNRT)

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URL:	inspection.gc.ca
CLIENTS SERVED:	National Animal Health Program (NAHP), Canadian Food Inspection Agency
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 (PSA-TMDNRT)
INITIAL ACCREDITATION DATE:	2002-07-10
SCOPE ISSUED ON:	2019-02-17
ACCREDITATION VALID TO:	2021-06-01

Note: Laboratories accredited under the PSA-TMDNRT have demonstrated that they meet ISO/IEC 17025 requirements for routine testing under the same product classifications as described below.



ANIMAL AND PLANTS (AGRICULTURE)

Other (Veterinary)

(Animal Health Diagnostics and Research)

TEST METHOD DEVELOPMENT NON-ROUTINE TESTING

Description of Activities

For the detection, identification and characterization (pathotyping and serotyping) of animal viruses, and for the detection and characterization of antibodies to these agents;

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;
3. Experimental development of methods to study the pathogenicity, risk, transmission and containment and control of these agents;
4. Procedures used for test method development & non-routine testing.

FA-QA-002 Data Handling and Control

FA-QA-027 Validation and Designation of NCFAD Test Method

FA-QA-037 Project Management

FA-QA-040 Validation of Non-Routine Test Methods and Verification of Routine Tests Conducted Infrequently

Description of Routine and Non-Routine Testing Activities

For the product classification of living and dead animals using commercial test kits and documented in-house methods developed and validated for the analysis of animal viruses, which includes testing to exclude foreign animal diseases, testing for regulatory, surveillance and import/export purposes:

Certified commercial 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:

1. Detection, identification and characterization of animal viruses in live 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.

Techniques for which the laboratory is accredited:

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).
8. Sequencing of RNA and DNA.

For a current list of test methods, contact the National Centre for Foreign Animal Disease.

Notes:

ISO/IEC 17025:2005: 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

NCFAD: National Centre for Foreign Animal Disease

Elias Rafoul, Vice President
Accreditation Services

Date: 2021-02-04

Number of Scope Listings: 16
SCC 1003-15579