

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** Canadian Food Inspection Agency  
National Center for Animal Disease  
Lethbridge Laboratory

Location Name or Operating as (if applicable): Lethbridge Laboratory

Contact Name: Jennifer Petrak

Address: 225090 Township Road 9-1, P.O. Box 640  
Lethbridge, Alberta  
T1J 3Z4

Telephone: 403 382-5593

Fax: 403 381-8283

Website: <https://inspection.canada.ca>

Email: [jennifer.petrak@inspection.gc.ca](mailto:jennifer.petrak@inspection.gc.ca)

To ensure compliance with the *Official Languages Act*, the Standards Council of Canada (SCC) translated proprietary content from English to French when it was not available in French. In case of discrepancies between the English and French versions, the original version of the method prevails.

<b>SCC File Number:</b>	15366
<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>	1999-11-24
<b>Most Recent Accreditation:</b>	2023-09-28
<b>Accreditation Valid to:</b>	2027-11-24

*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.*

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

Note: Laboratories accredited under this Program Specialty Area have demonstrated that they meet ISO/IEC 17025 requirements for routine testing under the same product classification as described above.

**Description of Activities under TMDNRT:**

1. Development and modification of test methods for detection, identification and characterization of animal pathogens, and for the detection and characterization of antibodies to these agents.
2. Modification, improvement, and validation of published or existing methodology for the detection and characterization of these agents/antibodies in animal tissues and bodily fluids/excretions;

**Description of Techniques under TMDNRT:**

1. Virus cell culture, isolation, growth, purification of whole virus and components and virus neutralization assays
2. Enzyme linked immunosorbent assays (ELISAs)
3. RNA/DNA based methods including extraction, RT-PCR/RRT-PCR (real time-reverse transcription PCR)

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

**ANIMAL AND PLANTS (AGRICULTURE)**

**Bovine, Porcine, Ovine, Caprine, Cervid, Equine, Camelid, Canine, Feline, Bat, Skunk**

**Other (specify):**

**(Veterinary CFIA- In-house developed methods)**

**NCAD -Anatomical Pathology – Transmissible Spongiform Encephalopathy**

BSE-IHC	Immunohistochemical Detection of Prion Protein In Bovine Spongiform Encephalopathy
BSE-HE	Hematoxylin and Eosin Staining for Bovine Spongiform Encephalopathy
BSE-HyWB	Hybrid Western Blot: a Method to Discriminate between BSE-Types, and other TSEs

BSE-SAF-WB	Detection of Prion Protein in Bovine Spongiform Encephalopathy Using the Scrapie Associated Fibrils (SAF) Western Blot
TSE-ELISA-SAF	TSE-ELISA-SAP Detection of abnormal prion protein in bovine spongiform encephalopathy, scrapie and chronic wasting disease with the Bio-Rad TeSeE™ SAP

**NCAD – Anatomical Pathology - Rabies**

RA-LD001	Fluorescent Antibody Test (FAT) for the Detection of Rabies Virus Antigen
----------	---

**NCAD – Bacteriology**

BRU-024	Protocol for Brucella Buffered Plate Agglutination Test (BPAT) for the Detection of Antibodies to <i>Brucella abortus</i> , <i>melitensis</i> , and <i>suis</i>
BR-PR047	High Throughput 96 Well Fluorescence Polarization Assay (FPA) for detection of Bovine Antibody to Brucella spp.
BR-PR048	High Throughput 96 Well Fluorescence Polarization Assay (FPA) for detection of Porcine Antibody to <i>Brucella</i> spp.
BRU-023	Single tube fluorescence polarization assay (FPA) for detection of serum antibody to <i>Brucella</i> species in bison, cervid, sheep and goats
LEPTO-MAT	The Microscopic Agglutination Test (MAT) for the Detection of Antibody to One or More Serovars of <i>Leptospira</i> Species

**NCAD – Virology**

BVD-SN	Bovine Viral Diarrhea (BVD) Virus: Serum Neutralization (SN) Test for the Detection of Bovine Antibodies to BVD Virus
EVA-SN	Equine Arteritis Virus (EAV): Serum Neutralization (SN) Test for the Detection of Neutralizing Equine Antibodies to Equine Arteritis Virus
IBR-cELI	An Enzyme Linked Immunosorbent Assay (IDEXX) for the Detection of Bovine Antibodies to IBR Virus
IBR-mSN	Infectious Bovine Rhinotracheitis (IBR) Virus: Modified Serum Neutralization (SN) Test ("D" Test) for the Detection of Bovine Antibody to IBR Virus
BVD-IP	Bovine Viral Diarrhea (BVD) Virus: Indirect Immunoperoxidase Assay for the Detection of BVD Virus
BVD-ISOL	Bovine Viral Diarrhea (BVD) Virus: Isolation from Semen
IBR-ISOL	Infectious Bovine Rhinotracheitis (IBR) Virus: Isolation from Semen

Number of Scope Listings: 18

Number of TMDNRT Techniques: 3

**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).

---

Elias Rafoul  
Vice-President, Accreditation Services  
Publication on: 2023-10-13