



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

NATIONAL VETERINARY SERVICES LABORATORIES

Ames, IA

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 12th day of February 2009.





President & CEO

For the Accreditation Council

Certificate Number 2526.01

Valid to January 31, 2011

Revised: November 2, 2009

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NATIONAL VETERINARY SERVICES LABORATORIES¹
USDA-APHIS-VS-NVSL
DIAGNOSTIC BACTERIOLOGY LABORATORY
PATHOBIOLOGY LABORATORY
DIAGNOSTIC VIROLOGY LABORATORY
1800 Dayton Avenue
Ames, Iowa 50010
Dr. Elizabeth Lautner Phone: 515 663 7301

BIOLOGICAL

Valid to: January 31, 2011

Certificate Number: 2526.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of compliance with the A2LA Veterinary Laboratory Accreditation Program Requirements, containing the *OIE Quality Standard and Guidelines for Veterinary Laboratories: Infectious Diseases, 2008*) accreditation is granted to this laboratory to perform testing on animal sera, tissues, and fluids, as well as environmental samples:

<u>Tests</u>	<u>Test Methods</u>
Diagnostic Bacteriology Laboratory	
16s rDNA Diagnostic Sequencing for <i>Mycobacterium</i> species	MBSOP2221
Bead Beater™ DNA Extraction Method for Mycobacterial DNA	MBSOP2219
<i>Brucella</i> spp.	
Bacterial Isolation (sample processing; solid culture media)	MBSOP1002
Bacterial Identification (biochemical tests; solid culture; rough/smooth determination; Gram Stain, PCR)	MBSOP1003, MBSOP1012, MBSOP1014, MBSOP1021, MBSOP1023

Tests

Johne's (*Mycobacterium avium*, subspecies *paratuberculosis*)
Bacterial Isolation (sample processing; solid and liquid culture media)

Test Methods

MBSOP4003, MBSOP4008,
MBSOP4019, MBSOP4020,
MBSOP4021, MBSOP4022,

Bacterial Identification
PCR

MBSOP4010

Bacterial Identification and Isolation (general)

BACTSOP1001

Mycobacterium bovis
Identification

Biochemical Niacin/Nitrate Utilization
GEN-PROBE DNA/RNA Hybridization
Ziehl-Neelsen Acid-Fast Staining

MBSOP2212
MBSOP2218
MBSOP2210

Spoligotyping (for *Mycobacterium* spp. identification)

MBSOP2223

Salmonella

Serotyping

BTYPESOP1102, BTYPESOP1103,
BTYPESOP1112

Brucella abortus

Fluorescence Polarization Assay – test tube
Fluorescence Polarization Assay – microplate

SEROSOP1051
SEROSOP1050

Diagnostic Virology Laboratory

Bluetongue

C-ELISA Pirbright

EOSOP0706

Bovine Viral Diarrhea

PCR

Plaque Reduction Neutralization
Virus Isolation

BPSOP1514
EOSOP2116
EOSOP2004

Venezuelan Equine Encephalomyelitis

IgM ELISA
Plaque Reduction Neutralization
Virus Isolation

EOSOP0711
EOSOP2116
EOSOP2004

Plaque Reduction Neutralization

EOSOP1402

Equine Encephalomyelitis

Plaque Reduction Neutralization
Virus Isolation

EOSOP2116
EOSOP2004

Equine Infectious Anemia

Agar Gel Immunodiffusion
ViraCheck ELISA
SA ELISA
C-ELISA

EOSOP0101
Commercial Kit
Commercial Kit
Commercial Kit

<u>Tests</u>	<u>Test Methods</u>
ELISA	Commercial Kit
Equine Viral Arteritis Virus Neutralization	EOPRO2108
Malignant Catarrhal Fever PCR	BPSOP1501
Pathobiology Laboratory	
Serum Screen	
Individual Animal Identification	SOPS-PCP-0012
Species Verification	SOPS-PCP-0007
Bovine Spongiform Encephalopathy	
Hematoxylin and Eosin Stain	SOP-PTS-0002
Immunohistochemistry	SOP-PTS-0008
Prion Detection – Antigen Capture ELISA	SOP-PTS-0003
Scrapie	
Genotyping	SOP-CAS-0021 SOP-CAS-0022 SOP-CAS-0023
Tuberculosis	
Histopathology	SOP-PS-0002
Parasite Identification	
Hemoparasites	SOPT-PCP-0005
Ectoparasite	SOP-PCP-0005
Fecal Ova	SOP-PCP-0009
Histology	
Giemsa Stain	SOP-PTS-0013
Modified Ziehl-Neelson Stain	SOP-PTS-0014
Auromine O and Acridine Orange Stain	SOP-PTS-0015
Hematoxylin and Eosin Stain	SOP-PTS-0016
Gram Stain	SOP-PTS-0022
Periodic Acid-Schiff Stain	SOP-PTS-0023
Grocott's Methanamine Silver Stain	Commercial Kit
<i>Mycobacterium bovis, avium and avium subsp. paratuberculosis</i>	
PCR	SOP-PTS-0044

¹ Note: This accreditation covers testing performed at the main laboratory listed above, and the satellite laboratory listed below.

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BIOLOGICAL

<u>Tests</u>	<u>Test Methods</u>
Diagnostic Bacteriology Laboratory	
Anaplasma Antibody Test Kit	SEROSOP1040
<i>Brucella</i> spp.	
Indirect Elisa (<i>Brucella ovis</i>)	SEROSOP1061
Piroplasmosis (<i>B. caballi</i> , <i>B. equi</i>)	
Competitive ELISA – Commercial Kit	SEROSOP1056
Competitive ELISA – In-House	SEROPRO1004
<i>Leptospira</i>	
Microagglutination Test	BTYPPRO4001
Diagnostic Virology Laboratory	
Avian Influenza	
Agar Gel Immunodiffusion	AVPRO0100
Hemagglutination, Hemagglutination-Inhibition	AVSOP0805
Real-Time RT-PCR	AVPRO1510
Additional Platforms	AVSOP1520
	AVSOP1521
	AVSOP1523
Virus Isolation	AVSOP2020
Bluetongue	
RT-PCR	EOSOP1502
Virus Isolation	EOSOP2001
Bovine Viral Diarrhea	
Virus Neutralization	BPASOP2104
Bovine Herpesvirus 1	
(Infectious Bovine Rhinotracheitis) Virus Neutralization	BPASOP2104
Bovine Herpesvirus 2	
(Bovine Herpes Mammillitis) Virus Neutralization	BPASOP2104
Bovine Respiratory Syncytial Virus	
Virus Neutralization	BPASOP2104

<u>Tests</u>	<u>Test Methods</u>
Coxiella burnetti (Q-Fever) Complement Fixation	EOSOP0303
Epizootic Hemorrhagic Disease RT-PCR Virus Isolation	EOSOP1502 EOSOP2002
Equine Encephalomyelitis Eastern Equine Encephalomyelitis IgM ELISA PCR West Nile Virus IgM ELISA PCR Virus Isolation	EOSOP0710 EOSOP1506 EOSOP0709 EOSOP1506 EOSOP2004
Equine Encephalomyelitis Western Equine Encephalomyelitis	PCR EOSOP1506
Equine Herpesvirus 1 Virus Isolation	EOSOP2006
Equine Herpesvirus 2 Virus Isolation	EOSOP2006
Equine Herpesvirus 3 Virus Isolation	EOSOP2006
Equine Herpesvirus 4 Virus Isolation	EOSOP2006
Equine Rhinovirus Virus Isolation	EOSOP2006
Pseudorabies Virus gI ELISA gB ELISA Latex Agglutination Test Virus Neutralization	Commercial Kit Commercial Kit Commercial Kit BPSOP2112
Newcastle Disease Hemagglutination, Hemagglutination-Inhibition Real-Time RT-PCR Virus Isolation	AVSOP0807 AVPRO1505 AVSOP2020
Parainfluenza-3 Virus Neutralization	BPASOP2104
Porcine Reproductive and Respiratory Syndrome ELISA IFA	Commercial Kit BPASOP1101

Tests

Vesicular Stomatitis

Competitive ELISA

Complement Fixation

Test Methods

BPSOP0703

BPSOP0300