



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.



  
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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 LABORATORIES<sup>1</sup>  
USDA-APHIS-VS-NVSL  
DIAGNOSTIC BACTERIOLOGY LABORATORY  
PATHOBIOLOGY LABORATORY  
DIAGNOSTIC VIROLOGY LABORATORY  
1920 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, and environmental samples:

Tests

Test Methods

**Diagnostic Bacteriology Laboratory**

*Anaplasma* cELISA

SEROSOP1040

*Babesia caballi* and *B. equi* (Piroplasmosis)

Competitive ELISA – Commercial Kit

SEROSOP1056

Competitive ELISA – In-house

SEROPRO1004

*Bacillus anthracis* Isolation

BACTSOP9003, BACTSOP9004  
BACTSOP9005

Bacterial Identification and Isolation (General)

BACTSOP1001

*Brucella* spp.

Bacterial Isolation

Sample Processing, Solid Culture Media

MBSOP1002

Bacterial Identification

Biochemical Tests, Solid Culture,

MBSOP1003, MBSOP1012

Rough/Smooth Determination

MBSOP1014, MBSOP1021

Gram Stain, PCR

MBSOP1023

*Brucella ovis* Indirect ELISA

SEROSOP1061

*Brucella canis* Indirect ELISA

SEROSOP1033

*Brucella melitensis* Card Test

SEROSOP1038

*Brucella abortus* and *B. melitensis* C-ELISA

SEROSOP1030

<i>Brucella abortus</i>	
Card Test	SEROSOP1027
Fluorescence Polarization Assay	SEROSOP1050, SEROSOP1051
<i>Brucella ovis</i> Indirect ELISA	SEROSOP1061
<i>Burkholderia mallei</i> and <i>B. pseudomallei</i>	
Isolation and Identification	BACTSOP0001
<i>Francisella tularensis</i> Agglutination	SOPSERO1039
<i>Leptospira</i> Microagglutination Test	BTYPPRO4001
<i>Leptospira</i> Isolation from Tissue and Urine	BTYPSOP7023
<i>Mycobacterium avium</i> , subsp. <i>paratuberculosis</i> (Johne's)	
Bacterial Isolation	
Sample Processing, Solid and Liquid Culture Media	MBSOP4003, MBSOP4008, MBSOP4019, MBSOP4020, MBSOP4021, MBSOP4022
Bacterial Identification	
Culture PCR, Direct PCR	MBSOP4010, MBSOP7039, MBSOP9046
ELISA	SEROSOP1057, SEROSOP1058
<i>Mycobacterium bovis</i>	
Bacterial Isolation	
Solid Culture Media, BACTEC 460, MGIT	MBSOP2002
Elephant Trunk Washes	MBSOP2004
Bacterial Identification	
Biochemical Niacin/Nitrate Utilization	MBSOP2212
GEN-PROBE DNA/RNA Hybridization	MBSOP2218
Ziehl-Neelsen Acid –Fast Staining	MBSOP2210
<i>Mycobacterium</i> spp. Identification	
16s rDNA Sequencing	MBSOP2221
Spoligotyping	MBSOP2223
Bead Beater™DNA Extraction Method	MBSOP2219
<i>Mycobacterium tuberculosis</i> Complex Differentiation	MBSOP9107
<i>Mycoplasma</i> Agglutination/Hemagglutination Inhibition	BACTSOP0002, BACTSOP0003
<i>Salmonella</i>	
Serotyping	BTYPSOP1102, BTYPSOP1103, BTYPSOP1112
Agglutination	BTYPSOP1005, BTYPSOP1007, BTYPSOP1008
<i>Taylorella</i> spp.	
Isolation and Identification	BACTSOPTA0001
<b>Diagnostic Virology Laboratory</b>	
Avian Influenza	
Agar Gel Immunodiffusion	AVPRO0100
Hemagglutination, Hemagglutination-Inhibition	AVSOP0805
Real-Time RT-PCR	AVPRO1510
Additional Platforms	AVSOP1520, AVSOP1521, AVSOP1523
Virus Isolation	AVSOP2020

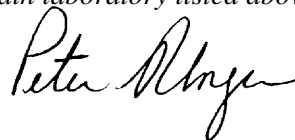
VDT, Agar Gel Immunodiffusion	Commercial Kit
VDT, C-ELISA	Commercial Kit
VMRD, C-ELISA	Commercial Kit
RT-PCR	EOSOP1502
Virus Isolation	EOSOP2001
Bovine Viral Diarrhea	
Virus Neutralization	BPASOP2104
PCR	BPSOP1514
Bovine Herpesvirus 1	
(Infectious Bovine Rhinotracheitis) Virus Neutralization	BPASOP2104
Bovine Herpesvirus 2	
(Bovine Herpes Mammillitis) Virus Neutralization	BPASOP2104
Bovine Leukosis	
VDT Agar Gel Immunodiffusion	Commercial Kit
VMRD ELISA	Commercial Kit
Bovine Respiratory Syncytial Virus	
Virus Neutralization	BPASOP2104
Caprine Arthritis-Encephalitis Virus	
VDT, Agar Gel Immunodiffusion	Commercial Kit
VMRD, ELISA	Commercial Kit
<i>Coxiella burnetti</i> (Q-Fever)	
Complement Fixation	EOSOP0303
Encephalomyocarditis Virus	
Virus Neutralization	SOP-BPA-2109
Epizootic Hemorrhagic Disease	
VDT, Agar Gel Immunodiffusion	Commercial Kit
RT-PCR	EOSOP1502
Virus Isolation	EOSOP2002
Hemagglutinating Encephalomyelitis Virus	
Hemagglutination-Inhibition	SOP-BPA-0803
Equine Encephalomyelitis	
Eastern Equine Encephalomyelitis	
IgM ELISA	EOSOP0710
PCR	EOSOP1506
West Nile Virus	
IgM ELISA	EOSOP0709
PCR	EOSOP1506
Virus Isolation	EOSOP2004
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 Infectious Anemia Agar Gel Immunodiffusion ViraCheck ELISA SA ELISA C-ELISA ELISA	EOSOP0101 Commercial Kit Commercial Kit Commercial Kit Commercial Kit
Equine Rhinovirus Virus Isolation	EOSOP2006
Equine Viral Arteritis Virus Neutralization	EOPRO2108
Pseudorabies Virus gI ELISA gB ELISA Latex Agglutination Test Virus Neutralization	Commercial Kit Commercial Kit Commercial Kit BPSOP2112
Malignant Catarrhal Fever PCR Virus Neutralization	BPSOP1501 SOP-BPA-2110
Newcastle Disease Hemagglutination, Hemagglutination- Inhibition Real-Time RT-PCR Virus Isolation	AVSOP0807 AVPRO1505 AVSOP2020
Ovine Progressive Pneumonia Virus VDT, Agar Gel Immunodiffusion	Commercial Kit
Parainfluenza-3 Virus Neutralization	BPASOP2104
Porcine Reproductive and Respiratory Syndrome ELISA IFA	Commercial Kit BPASOP1101
Porcine Teschovirus PCR	SOP-BPA-7015
Swine Influenza Virus Hemagglutination-Inhibition Real-time RT PCR Virus Isolation	SOP-BPA-0801 SOP-BPA-9034 SOP-BPA-9024

Transmissible Gastroenteritis Virus Virus Neutralization	SOP-BPA-2113
Vesicular Stomatitis Competitive ELISA Complement Fixation Virus Isolation	BPSOP0703 BPSOP0300 SOP-BPA-2008
<b>Pathobiology Laboratory</b>	
Serum Screen ImmunoChromotographic Assay (ImmunoStrips)	SOPS-PCP-0012, SOP-PCP-0021, SOPS-PCP-0001, SOPS-PCP-0002, SOPS-PCP-0005, SOPS-PCP-0006, SOPS-PCP-0010, SOPS-PCP-0013, SOPS-PCP-0014, SOPS-PCP-0015, SOPS-PCP-0016, SOPS-PCP-0019, SOPS-PCP-0004
Agar Gel Immuno-double Diffusion Total Solids Refractometer Electrophoresis and Western Blot for Immunostrips Test Selection for Serum Screen Samples	SOPS-PCP-0007 SOPS-PCP-0009 SOPS-PCP-0011 SOPS-PCP-0018
Bovine Spongiform Encephalopathy Histology and Immunohistochemistry Antigen Capture ELISA Histopathology Examination & Interpretation	SOP-PTS-0002 SOP-PTS-0003 SOP-PS-0034
Scrapie PCR Genotyping	SOP-CAS-0021, SOP-CAS-0022, SOP-CAS-0023, SOP-CAS-0013, SOP-CAS-0015, SOP-CAS-0024
Tuberculosis Histopathology Examination & Interpretation	SOP-PS-0002
Parasite Geimsa Stain for Hemoparasite Identification  Ectoparasite Identification Fecal Ova Flotation for Endoparasite Identification	SOPT-PCP-0005, SOPT-PCP-0001, SOPT-PCP-0002, SOPT-PCP-0004 SOP-PCP-0005, SOP-PCP-0007 SOP-PCP-0009
Histology Stains for Various Diseases Giemsa Stain Modified Ziehl-Neelson Stain Auromine O and Acridine Orange Stain Hematoxylin and Eosin Stain Gram Stain Periodic Acid-Schiff Stain Grocott's Methanamine Silver Stain	SOP-PTS-0013 SOP-PTS-0014 SOP-PTS-0015 SOP-PTS-0016 SOP-PTS-0022 SOP-PTS-0023 Commercial Kit
<i>M. bovis</i> , <i>avium</i> and <i>avium subsp. paratuberculosis</i> PCR	SOP-PTS-0044

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



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<u>Tests</u>	<u>Test Methods</u>
<b>Diagnostic Virology Laboratory</b>	
Bovine Viral Diarrhea PCR	BPSOP1514
Equine Encephalomyelitis	
Eastern Equine Encephalomyelitis	
Plaque Reduction Neutralization	EOSOP2116
Virus Isolation	EOSOP2004
Venezuelan Equine Encephalomyelitis	
IgM ELISA	EOSOP0711
Plaque Reduction Neutralization	EOSOP2116
Virus Isolation	EOSOP2004
West Nile Virus	
Plaque Reduction Neutralization	EOSOP1402
Western Equine Encephalomyelitis	
Plaque Reduction Neutralization	EOSOP2116
Virus Isolation	EOSOP2004

