



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.



NATIONAL VETERINARY SERVICES LABORATORIES¹
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

16s rDNA Diagnostic Sequencing for *Mycobacterium* Species

MBSOP2221

Bead Beater™ DNA Extraction Method for Mycobacterial DNA

MBSOP2219

Brucella spp.

Indirect Elisa (*Brucella ovis*)

SEROSOP1061

Bacterial Isolation (sample processing; solid culture media)

MBSOP1002

Bacterial Identification

MBSOP1003, MBSOP1012,

(biochemical tests;

MBSOP1014, MBSOP1021,

solid culture;

MBSOP1023

rough/smooth determination;

Gram Stain, PCR)

Johne's (*Mycobacterium avium*, subspecies paratuberculosis)

Bacterial Isolation (sample processing; solid and liquid culture media)

MBSOP4003, MBSOP4008,

MBSOP4019, MBSOP4020,

MBSOP4021, MBSOP4022,

Bacterial Identification

PCR

MBSOP4010

<u>Tests</u>	<u>Test Methods</u>
Bacterial Identification and Isolation (general)	BACTSOP1001
Anaplasma Antibody Test Kit, cELISA	SERSOP1040
<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
Spoligotyping (for <i>Mycobacterium spp.</i> identification)	MBSOP2223
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
<i>Taylorella spp.</i>	
Isolation and Identification	SOPTA-BACT-0001.07
<i>Bacillus anthracis</i> from clinical samples	SOPBA-BACT-0002.03, SOPBACT-9004.01, FM-BACT-6090.02; SOP-BACT-9004.01, SOPBACT-9005.01
<i>Leptospira</i> Isolation from Tissue	SOPBTYP-7023.02
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
(A2LA Cert. No. 2526.01) REVISED 2/24/10	

<u>Tests</u>	<u>Test Methods</u>
Bovine Leukosis	
VDT Agar Gel Immunodiffusion	Commercial Kit
VMRD ELISA	Commercial Kit
Bovine Respiratory Syncytial Virus	
Virus Neutralization	BPASOP2104
Coxiella burnetti (Q-Fever)	
Complement Fixation	EOSOP0303
Epizootic Hemorrhagic Disease	
RT-PCR	EOSOP1502
Virus Isolation	EOSOP2002
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	EOSOP0101
ViraCheck ELISA	Commercial Kit
SA ELISA	Commercial Kit
C-ELISA	Commercial Kit
ELISA	Commercial Kit
Equine Rhinovirus	
Virus Isolation	EOSOP2006
Equine Viral Arteritis	
Virus Neutralization	EOPRO2108

TestsTest Methods

Pseudorabies Virus

gI ELISA

gB ELISA

Latex Agglutination Test

Virus Neutralization

Malignant Catarrhal Fever

PCR

Commercial Kit

Commercial Kit

Commercial Kit

BPSOP2112

BPSOP1501

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

Vesicular Stomatitis

Competitive ELISA

Complement Fixation

BPSOP0703

BPSOP0300

Pathobiology Laboratory

Serum Screen

Individual Animal Identification

Species Verification

SOPS-PCP-0012

SOPS-PCP-0007

Bovine Spongiform Encephalopathy

Hematoxylin and Eosin Stain

Immunohistochemistry

Prion Detection – Antigen Capture ELISA

SOP-PTS-0002

SOP-PTS-0008

SOP-PTS-0003

Scrapie

Genotyping

SOP-CAS-0021

SOP-CAS-0022

SOP-CAS-0023

Tuberculosis

Histopathology

SOP-PS-0002

Parasite Identification

Hemoparasites

Ectoparasite

Fecal Ova

SOPT-PCP-0005

SOP-PCP-0005

SOP-PCP-0009

<u>Tests</u>	<u>Test Methods</u>
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
Mycobacterium bovis, avium and avium subsp. paratuberculosis PCR	SOP-PTS-0044

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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<u>Tests</u>	<u>Test Methods</u>
Diagnostic Virology Laboratory	
Bovine Viral Diarrhea PCR	BPSOP1514

<u>Tests</u>	<u>Test Methods</u>
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