Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-13261-02-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **02.09.2020**

Date of issue: 15.10.2020

Holder of certificate:

Institute of Virology, University of Veterinary Medicine Hannover, Foundation
European Community Reference Laboratory for Classical Swine Fever
Buenteweg 17, 30559 Hannover

Tests in the field:

Veterinary medicine

Field of testing:
Virology (including infection serology, molecular biology)

Type of testing:
Amplification techniques
Cell culture analysis
Ligand assays
Neutralisation assays

Within the given testing field marked with **, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the modification, development and refinement of testing methods.
The listed testing methods are exemplary.
The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
https://www.dakks.de/en/content/accredited-bodies-dakks

Field of testing: Virology (including infection serology, molecular biology)

European Community Reference Laboratory for Classical Swine Fever

Type of testing: Ligand assay**

Analyte (measurand)	Testing material (matrix)	Test method
CSFV antigen	Serum, plasma, organ samples	ELISA
CSFV antibody	Serum, plasma	ELISA

Type of testing: cell culture analysis**

Analyte (measurand)	Testing material (matrix)	Test method
CSFV	Blood (EDTA, citrate, heparin), serum, leukocytes and organ samples, swab samples, sperm, samples, cell culture supernatant	Virus isolation and virus detection
BVDV, BDV, other pestiviruses	Blood (EDTA, citrate, heparin), serum, leukocytes and organ samples, swab samples, sperm, samples, cell culture supernatant	Virus isolation and virus detection
CSFV, BVDV, BDV	Cell culture supernatant containing virus	Virus propagation and virus titration
CSFV	Cell culture	indirect immuno peroxidase staining
CSFV C-strain	Cell culture	Direct C-strain specific immuno peroxidase staining
CSFV, BVDV, BDV	Cell culture	Direct immuno peroxidase staining

Type of testing: neutralisation assay **

Analyte (measurand)	Testing material (matrix)	Test method
Antibodies against CSFV	Serum, plasma	Neutralisation assay
Antibodies against BDV	Serum, plasma	Neutralisation assay
Antibodies against BVD	Serum, plasma	Neutralisation assay

Type of testing: amplification technique**

Analyte (measurand)	Testing material (matrix)	Test method
CSFV	Purified RNA from sample material	RT-PCR/PCR (incl. RNA isolation)
CSFV	Purified RNA from sample material	qRT-PCR TaqMan/qPCR TaqMan (incl. RNA isolation)
CSFV	Purified RNA from sample material	qRT-PCR TaqMan/qPCR TaqMan (incl. RNA isolation)
Pestivirus	Purified RNA from sample material	qRT-PCR SYBR Green/qPCR SYBR Green (incl. RNA isolation)
ASFV	Purified DNA from sample material	qPCR TaqMan (incl. DNA isolation)

Field of testing: Virology (including infection serology, molecular biology)

Diagnosis of viral infectious diseases in cattle, horses and swine

Type of testing: amplification technique**

Analyte (measurand)	Testing material (matrix)	Test method
ASFV	Purified DNA from sample material	qPCR TaqMan (incl. DNA isolation)
ASFV	Purified DNA from sample material	qPCR TaqMan (incl. DNA isolation)
BRSV	cDNA	PCR (incl. RNA isolation)
BPI3V	cDNA	PCR (incl. RNA isolation)
EHV-1/-4	Purified DNA from sample material	PCR (incl. DNA isolation)
CSFV	Purified RNA from sample material	qRT-PCR TaqMan (incl. RNA isolation)

Type of testing: cell culture analysis**

Analyte (measurand)	Testing material (matrix)	Test method
BVDV, BHV-1, PI-3 Virus	Blood, serum, organ, abortion material, swab, preputial washing, sperm, faeces samples	Virus propagation and virus detection
BVDV	Cell culture supernatant	Virus propagation / virus isolation
BVDV	Cell culture supernatant	Virus quantification
BHV-1	Cell culture supernatant	Virus propagation / virus isolation
BHV-1	Cell culture supernatant	Virus quantification
PI-3 Virus	Cell culture supernatant	Virus propagation / virus isolation
PI-3 Virus	Cell culture supernatant	Virus quantification
BVD-, BHV-1, PI-3 Virus	Commercial available serum	Virus propagation and virus evidence
EAV	Cell culture supernatant	Virus propagation and virus titration
EHV-1	Cell culture supernatant	Virus propagation and virus titration

Type of testing: neutralisation assay**

Analyte (measurand)	Testing material (matrix)	Test method
Antibodies against BVDV	Serum	Neutralisation assay
Antibodies against BHV-1	Serum	Neutralisation assay
Antibodies against PI-3 Virus	Serum	Neutralisation assay
Antibodies against BVD-, BHV-1, PI-3	Commercial available serum	Neutralisation assay
Antibodies against EAV	Serum	Neutralisation assay
Antibodies against EHV-1	Serum	Neutralisation assay
Antibodies against EIAV	Serum	Coggins test