



STS Directory

Accreditation number: STS 0205

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

Virologisches Institut Diagnostik Vetsuisse-Fakultät Universität Zürich Winterthurerstrasse 266a 8057 Zürich	Head:	Dr. med. vet. Julia Lechmann
	Responsible for MS:	Dr. med. vet. Julia Lechmann
	Telephone:	+41 44 635 87 18
	E-Mail:	julia.lechmann@uzh.ch
	Internet:	http://www.vetvir.uzh.ch
	Initial accreditation:	05.10.1998
	Current accreditation:	24.10.2023 until 23.10.2028
	Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 24.10.2023

Testing laboratory for the diagnosis of viral infection in animals

Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Serum, plasma (SNT only with serum)	Detection of antibodies ELISA and SNT Detection of antibodies against IBR virus (bovine alphaherpesvirus 1)	Current versions of the <i>Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2021 (online)</i> and the Ordinance on epizootic diseases Chapter 3.4.11; OFE art. 170 IDEXX IBR gB X3 Ab Indical cattletype BHV1 gB Ab ID Screen IBR gB Competition
Serum, plasma	ELISA Detection of antibodies against BLV (enzootic bovine leukosis)	Chapter 3.4.9; OFE art. 166 IDEXX Leucosis Serum X2 Ab



STS Directory

Accreditation number: STS 0205

Group of products or materials, field of activity	Principle of measurement ³⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Serum, plasma (SNT only with serum)	ELISA and SNT Detection of antibodies against Aujeszky's disease virus (PRV, suid alphaherpesvirus 1)	Chapter 3.1.2; OFE art. 135 IDEXX PRV/ADV gB
Serum, plasma	ELISA Detection of antibodies against TGE virus	Chapter 3.9.10; OFE art. 291 SVANOVIR TGEV/PRCV Ab
Serum, plasma	ELISA Detection of antibodies against PRRS virus	Chapter 3.8.6 OFE art. 182 IDEXX PRRS X3 Ab
Serum, plasma	ELISA Detection of antibodies against Bluetongue virus (BTV)	Chapter 3.1.3 OFE art. 239 Ingezim BTV DR
	Detection of virus	Current versions of the Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2021 (online) and the Ordinance on epizootic diseases
	Real-time PCR	
EDTA-blood (buffy coat), tissue samples, paraffin-embedded material	Detection of OvHV-2 (agent of Malignant Catarrhal Fever)	Validated in-house procedure [5] adapted from literature [1] and [2]
Eye, nose and buccal swabs, tissue samples, paraffin-embedded material	Detection of FeHV-1	Validated in-house procedure adapted from literature [3]
	Real-time PCR	
Tissue samples	Detection of KHV (cyprinid herpesvirus 3)	Validated in-house procedure adapted from literature [4]
	Real-time PCR	
EDTA-blood	Detection of Bluetongue virus (BTV)	Chapter 3.1.3 OFE art. 239 Indical virotype BTV pan/8 RT-PCR Kit

In case of contradictions in the language versions of the directories, the German version shall apply.



STS Directory

Accreditation number: STS 0205

The testing laboratory maintains a list with detailed information on the activities within the scope of accreditation. It is available upon request at the laboratory.

Abbreviation	Signification
BLV	Bovine leukemia virus
BTV	Bluetongue virus
ELISA	Enzyme-linked Immunosorbent Assay
FeHV-1	Feline alphaherpesvirus 1
FSVO	Federal Food Safety and Veterinary Office
IBR	Infectious bovine rhinotracheitis
KHV	Koi herpesvirus (cyprinid herpesvirus 3)
OFE	Ordinance on epizootic diseases
O.I.E.	Office International des Epizooties (World Organisation For Animal Health)
OvHV-2	Ovine gammaherpesvirus 2
PCR	Polymerase Chain Reaction
PRRS	Porcine reproductive and respiratory syndrome
PRV	Pseudorabiesvirus (Aujeszky's disease virus)
SNT	Serum neutralisation test
TGE	Transmissible gastroenteritis

Reference list	
[1]	Hüssy, D.; Stäuber, N.; Leutenegger, C.M.; Rieder, S.; Ackermann M. Quantitative fluorescent PCR assay for measuring ovine herpesvirus 2 replication in sheep. Clin. Diagn. Lab. Immunol. 2001 , 8, 123 - 128.
[2]	Albini, S.; Zimmermann, W.; Neff, F.; Ehlers, B.; Häni, H.; Li, H.; Hüssy, D.; Engels, M.; Ackermann, M. Identification and Quantification of Ovine Gammaherpesvirus 2 DNA in Fresh and Stored Tissues of Pigs with Symptoms of Porcine Malignant Catarrhal Fever. J. Clin. Microbiol. 2003 , 41, 900 - 904.
[3]	Vögtlin, A.; Fraefel, C.; Albini, S.; Leutenegger, C.M.; Schraner, E.; Spiess, B.; Lutz, H.; Ackermann, M. Quantification of feline herpesvirus 1 DNA in ocular fluid samples of clinically diseased cats by real-time TaqMan PCR. J. Clin. Microbiol. 2002 , 40, 519 – 523
[4]	Gilad, O.; Yun, S.; Zagmutt-Vergara, F.J.; Leutenegger, C.M.; Bercovier, H.; Hedrick, R.P. Concentration of a Koi herpesvirus (KHV) in tissues of experimentally infected Cyprinus carpio koi as assessed by real-time PCR. Dis. Aquat. Organ. 2004 , 60, 179 – 187



STS Directory

Accreditation number: STS 0205

Reference list	
[5]	Stahel, A.; Baggenstos R.; Engels M.; Friess M.; Ackermann M. Two Different Macaviruses, ovine herpesvirus-2 and caprine herpesvirus-2, Behave Differently in Water Buffaloes than in Cattle or in Their Respective Reservoir Species. PLoS ONE 2013, 8(12): e83695, 2013 , doi:10.1371/journal.pone.0083695.

* / * / * / * / *