

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-13186-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 05.11.2020

Date of issue: 05.11.2020

Holder of certificate:

Laboklin

Labor für klinische Diagnostik GmbH & Co. KG

at the sites

Steubenstr. 4, 97688 Bad Kissingen

Oertzenweg 19b, 14163 Berlin

Tests in the areas:

Veterinary medicine, pharmaceuticals and active ingredients, efficacy testing of disinfectants

Testing fields:

Clinical chemistry, immunology, microbiology, parasitology, virology, genetics, pathology

drug and active ingredient microbiology

efficacy testing of disinfectants

Within the given testing fields marked with *, the laboratory is permitted, without being required to inform and obtain prior approval from Deutsche Akkreditierungsstelle GmbH, the free choice of standard or equivalent testing methods.

Within the given testing fields marked with **, the laboratory is permitted, without being required to inform and obtain prior approval from DAkkS GmbH, the modification, refinement and development 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 requirements in DIN EN ISO/IEC 17025 applicable to the management systems are available in a language relevant to testing laboratories and generally comply with the principles of DIN EN ISO 9001.

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 (DAkkS).

<https://www.dakks.de/content/datenbank-akkreditierter-stellen>

Abbreviations used: see last page

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Site: Bad Kissingen

Test area: Veterinary medicine

Testing field: Clinical Chemistry

Type of test: Atomic absorption spectroscopy **

Analyte (measurand)	Test material (matrix)	Testing technique
Lead	EDTA whole blood, lithium heparin whole blood	Atomic absorption spectroscopy
Manganese	Serum, plasma	Atomic absorption spectroscopy
Selenium	Serum, plasma	Atomic absorption spectroscopy

Type of test: Flow cytometry *

Analyte (measurand)	Test material (matrix)	Testing technique
Basophil granulocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Eosinophil granulocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Erythrocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Haematocrit	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Haemoglobin	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Reticulocyte haemoglobin content (CHr)	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Leucocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining

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Analyte (measurand)	Test material (matrix)	Testing technique
Lymphocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Mean corpuscular haemoglobin (MCH)	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Mean corpuscular haemoglobin concentration (MCHC)	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Mean corpuscular volume (MCV)	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Monocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Neutrophil granulocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Reticulocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining
Thrombocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Flow cytometry, combined with fluorescence staining or with peroxidase staining

Type of test: Electrochemical analysis *

Analyte (measurand)	Test material (matrix)	Testing technique
Calcium (ionised)	Serum (dogs, cats, horses, rodents, ruminants)	Potentiometry (ion-selective electrode)
Chloride	Serum, plasma, urine (all animal species)	Potentiometry (ion-selective electrode)
Potassium	Serum, plasma, urine (all animal species)	Potentiometry (ion-selective electrode)
Sodium	Serum, plasma, urine (all animal species)	Potentiometry (ion-selective electrode)

Type of test: Electrophoresis *

Analyte (measurand)	Test material (matrix)	Testing technique
Protein fractions	Faeces, urine (all animal species)	SDS polyacrylamide electrophoresis

Type of test: High performance liquid chromatography (HPLC) **

Analyte (measurand)	Test material (matrix)	Testing technique
β -Carotene	Serum, plasma	High performance liquid chromatography (HPLC)
Indoxyl sulfate	Serum	High performance liquid chromatography (HPLC)
Serotonin	Serum	High performance liquid chromatography (HPLC)
Vitamin A	Serum, plasma	High performance liquid chromatography (HPLC)
Vitamin B1	EDTA whole blood, lithium heparin whole blood	High performance liquid chromatography (HPLC)
Vitamin B2	EDTA whole blood, lithium heparin whole blood	High performance liquid chromatography (HPLC)
Vitamin B6	EDTA whole blood, lithium heparin whole blood	High performance liquid chromatography (HPLC)
Vitamin E	Serum, plasma	High performance liquid chromatography (HPLC)

Type of test: Inductively coupled plasma mass spectroscopy (ICP-MS) *

Analyte (measurand)	Test material (matrix)	Testing technique
Arsenic	Urine (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Lead	EDTA whole blood, lithium heparin whole blood (all animal species)	Inductively coupled plasma mass spectrometry (ICP-MS)
Bromine	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Cadmium	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Chromium	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Cobalt	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Iron	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Iodine	Serum, plasma, urine (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Copper	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Manganese	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)

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Analyte (measurand)	Test material (matrix)	Testing technique
Molybdenum	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Nickel	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Mercury	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Selenium	Serum, plasma (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Thallium	Urine (all animal species)	Inductively coupled plasma mass spectroscopy (ICP-MS)
Zinc	Serum, plasma (all animal species)	Inductively coupled plasma mass spectrometry (ICP-MS)

Type of test: Infrared spectroscopy *

Analyte (measurand)	Test material (matrix)	Testing technique
Stone analysis	Urinary calculi, biliary calculi, salivary calculi (all animal species)	Fourier Transform Infrared Spectrometer (FTIR)

Type of test: Coagulometry *

Analyte (measurand)	Test material (matrix)	Testing technique
D-dimer	Citrate plasma (dogs, cats, horses)	Coagulometry
Fibrinogen	Citrate plasma (dogs, cats, horses)	Coagulometry
Factor IX determination	Citrate plasma (dogs)	Coagulometry
Factor VIII determination	Citrate plasma (dogs)	Coagulometry
Partial thromboplastin time (PTT)	Citrate plasma (dogs, cats, horses)	Coagulometry
Quick test	Citrate plasma (dogs, cats, horses)	Coagulometry
Thrombin time	Citrate plasma (dogs, cats, horses)	Coagulometry
von Willebrand factor	Citrate plasma (dogs, cats, horses)	Coagulometry

Type of test: Ligand assays *

Analyte (measurand)	Test material (matrix)	Testing technique
17-OH progesterone	Serum, plasma (dogs, cats, ferrets)	Enzyme immunoassay
Adrenocorticotrophic hormone (ACTH)	Plasma (dogs, cats, horses)	Chemiluminescence
Aldosterone	Serum, plasma (all animals)	Chemiluminescence
Alpha-fetoprotein (AFP)	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Androstenedione	Plasma (ferrets)	Enzyme immunoassay
Anti-Müllerian hormone (AMH)	Serum, plasma (dogs, cats, horses, cows)	Chemiluminescence
Brain natriuretic peptide (proBNP)	Plasma (dogs, cats)	Enzyme immunoassay
Canine pancreatic lipase	Serum, plasma (dogs)	Enzyme immunoassay

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Analyte (measurand)	Test material (matrix)	Testing technique
Canine prostate specific esterase (CPSE)	Serum, plasma (dogs)	Enzyme immunoassay
Carcinoembryonic antigen (CEA)	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Cortisol	Serum, plasma (horses)	Chemiluminescence
Cortisol	Serum, plasma (all animal species except	Chemiluminescence
Cortisol	Urine (all animal species)	Chemiluminescence
Cortisol	Saliva (all animal species)	Enzyme immunoassay
Cyclosporine	EDTA whole blood (dogs, cats, horses)	Chemiluminescence
Digoxin	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Erythropoetin (EPO)	Serum (dogs, cats)	Enzyme immunoassay
Feline pancreatic lipase	Serum, plasma (cats)	Enzyme immunoassay
Folic acid	Serum, plasma (all animal species)	Chemiluminescence
Free thyroxine (fT4)	Serum, plasma (all animal species)	Chemiluminescence
Free triiodothyronine (fT3)	Serum, plasma (all animal species)	Chemiluminescence
Insulin	Serum (dogs, cats, horses)	Chemiluminescence
Insulin-like growth factor (IGF)	Serum (dogs, cats, horses, ruminants)	Chemiluminescence
Luteinizing hormone (LH)	Serum, plasma (all animal species)	Chemiluminescence
Estradiol	Serum, plasma (all animal species)	Chemiluminescence
Estrone sulphate	Serum, plasma (horses)	Enzyme immunoassay
Pancreas elastase 1	Faeces (dogs)	Enzyme immunoassay
Parathormone (PTH)	Serum (all animal species)	Chemiluminescence
Parathormone (PTH)	Serum (all animal species)	Chemiluminescence
Phenobarbital	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Pregnancy-associated glycoproteins (PAGs)	Serum, plasma, milk (cows, sheep, goats, buffalo)	Enzyme immunoassay
Pregnant mare serum gonadotropin (PMSG)	Serum, plasma (horses)	Enzyme immunoassay
Progesterone	Serum, plasma (dogs, cats, horses, ruminants)	Chemiluminescence
Serum amyloid A (SAA)	Serum, plasma (dogs, cows)	Enzyme immunoassay
Symmetric dimethylarginine (SDMA)	Serum, plasma (dogs, cats, horses)	Enzyme immunoassay
Serotonin	Serum, plasma (dogs, cats)	Enzyme immunoassay
Testosterone	Serum, plasma (dogs, cats, ruminants)	Chemiluminescence
Testosterone	Serum, plasma (horses)	Extraction, enzyme immunoassay
Thymidine kinase	Serum (all animal species)	Chemiluminescence
Thyroglobulin antibodies	Serum, plasma (dogs, cats)	Enzyme immunoassay
Thyroidea stimulating hormone (TSH)	Serum, plasma (dogs)	Chemiluminescence
Thyroidea stimulating hormone (TSH)	Serum, plasma (cats)	Chemiluminescence
Thyroxine (T4)	Serum, plasma (all animal species except	Chemiluminescence

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Analyte (measurand)	Test material (matrix)	Testing technique
Thyroxine (T4)	Serum, plasma (cats)	Chemiluminescence
Triiodothyronine (T3)	Serum, plasma (all animal species)	Chemiluminescence
Troponin I	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Trypsin-like immunoreactivity (TLI)	Serum, plasma (dogs)	Chemiluminescence
Trypsin-like immunoreactivity (TLI)	Serum, plasma (cats)	Enzyme immunoassay
Vitamin B12	Serum, plasma (all animal species)	Chemiluminescence
Vitamin D (1,25 OH)	Serum (all animal species)	Chemiluminescence
Vitamin D (25 OH)	Serum, plasma (all animal species)	Chemiluminescence

Type of test: Microscopy **

Analyte (measurand)/test method	Test material (matrix)	Testing technique
Basophil granulocytes	EDTA blood, lithium heparin blood	Bright-field microscopy
Blood parasites	EDTA blood	Bright-field microscopy
Eosinophil granulocytes	EDTA blood, lithium heparin blood	Bright-field microscopy
Urinary sediment	Urine	Bright-field microscopy
Monocytes	EDTA blood, lithium heparin blood	Bright-field microscopy
Segmented neutrophils	EDTA blood, lithium heparin blood	Bright-field microscopy
Banded neutrophils	EDTA blood, lithium heparin blood	Bright-field microscopy

Type of test: Photometry *

Analyte (measurand)	Test material (matrix)	Testing technique
α -Hydroxybutyrate dehydrogenase	Serum, plasma (all animal species)	Photometry
α -Amylase	Serum, plasma (all animal species)	Photometry
Alanine aminotransferase	Serum, plasma (all animal species)	Photometry
Albumin	Serum, plasma (all animal species)	Photometry
Alkaline phosphatase	Serum, plasma (all animal species)	Photometry
Alkaline phosphatase (heat-stable)	Serum, plasma (all animal species)	Photometry
Ammonium	Freshwater	Photometry
Aspartate aminotransferase	Serum, plasma (all animal species)	Photometry
β -Hydroxybutyrate	Serum, plasma (all animal species)	Photometry
Bilirubin (direct)	Serum, plasma (all animal species)	Photometry
Bilirubin (total)	Serum, plasma (all animal species)	Photometry
Calcium	Serum, plasma, urine (all animal species)	Photometry
Chymotrypsin	Faeces (cats)	Photometry
Cholesterol	Serum, plasma (all animal species)	Photometry
Cholinesterase	Serum, plasma (all animal species)	Photometry
C-reactive protein	Serum, plasma (all animal species)	Photometry
Creatine kinase	Serum, plasma (all animal species)	Photometry
Cystatin C	Serum, plasma (all animal species)	Photometry
DGGR lipase	Serum, plasma (all animal species)	Photometry
Iron	Serum, plasma (all animal species)	Photometry

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Analyte (measurand)	Test material (matrix)	Testing technique
Protein	Serum, plasma, urine, punctate (all animal species)	Photometry
Fructosamine	Serum, plasma (all animal species)	Photometry
Bile acids	Serum, plasma (all animal species)	Photometry
Bile acids	Faeces (all animal species)	Photometry
Glucose	Serum, plasma, sodium fluoride, urine, punctate (all animal species)	Photometry
Glutamate dehydrogenase	Serum, plasma (all animal species)	Photometry
γ -Glutamyltransferase	Serum, plasma (all animal species)	Photometry
Glutathione peroxidase	EDTA whole blood (cows)	Photometry
Haptoglobin	Serum, plasma (all animal species)	Photometry
Uric acid	Serum, plasma (all animal species)	Photometry
Urea	Serum, plasma, urine (all animal species)	Photometry
High-density lipoprotein (HDL)	Serum, plasma (all animal species)	Photometry
Creatinine	Serum, plasma, urine (all animal species)	Photometry
Copper	Serum, plasma (all animal species)	Photometry
Copper	Freshwater	Photometry
Lactate	Serum, plasma, sodium fluoride (all animal species)	Photometry
Lactate dehydrogenase	Serum, plasma (all animal species)	Photometry
Low-density lipoprotein (LDL)	Serum, plasma (all animal species)	Photometry
Magnesium	Serum, plasma, urine (all animal species)	Photometry
Non-esterified fatty acids (NEFA)	Serum, plasma (all animal species)	Photometry
Nitrate	Freshwater	Photometry
Nitrite	Freshwater	Photometry
Phosphate	Freshwater	Photometry
Phosphate (inorganic)	Serum, plasma, urine (all animal species)	Photometry
Symmetric dimethylarginine (SDMA)	Serum, plasma (all animal species)	Photometry
Triglycerides	Serum, plasma, urine (all animal species)	Photometry
Zinc	Serum, plasma (all animal species)	Photometry
α 1-Antitrypsin	Faeces (dogs, cats)	Photometry

Type of test: Qualitative/semiquantitative analysis with a visual assessment *

Analyte (measurand)/test method	Test material (matrix)	Testing technique
Protein	Punctate (dogs, cats, horses)	Rivalta sample
Luteinizing hormone (LH)	Serum (dogs, cats)	Using reagent carriers
Relaxin	Plasma, serum (dogs, cats)	Using reagent carriers

Type of test: Refractometry *

Analyte (measurand)/test method	Test material (matrix)	Testing technique
Density	Urine, punctate (dogs, cats, horses)	Refractometry
Protein	Punctate (dogs, cats, horses)	Refractometry

Type of test: Thromboelastography *

Analyte (measurand)/test method	Test material (matrix)	Testing technique
Coagulation characteristics	Citrate whole blood (all animal species)	Thromboelastography

Type of test: Titration *

Analyte (measurand)/test method	Test material (matrix)	Testing technique
Bases	Urine (cows)	Titration
Acids	Urine (cows)	Titration
Ammonium	Urine (cows)	Titration
Base-acid quotient	Urine (cows)	Titration
Net acid base excretion (NABE)	Urine (cows)	Titration

Type of test: Carrier-bound test method *

Analyte (measurand)/test method	Test material (matrix)	Testing technique
Urinary status	Urine (dogs, cats, horses, rodents, ruminants)	Dry chemistry (photometric assessment)

Type of test: Turbidimetry *

Analyte (measurand)/test method	Test material (matrix)	Testing technique
Calprotectin	Faeces (dogs)	Turbidimetry
Microalbumin	Urine, liquor (dogs, cats)	Turbidimetry
Serum amyloid A (SAA)	Serum, plasma (cats, horses)	Turbidimetry

Testing field: Immunology

Type of test: Agglutination test *

Analyte (measurand)	Test material (matrix)	Testing technique
Antiglobulin (Coombs) test	EDTA blood, plasma, serum (dogs, cats, horses)	Direct agglutination
Blood typing	EDTA blood (dogs, cats)	Direct agglutination
Blood typing (cross match)	EDTA blood (dogs, cats)	Immune chromatography
Rheumatoid factor	Serum, plasma (dogs, cats, horses)	Haemagglutination

Type of test: Flow cytometry **

Analyte (measurand)	Test material (matrix)	Testing technique
Anti-thrombocyte antibodies	EDTA blood	Flow cytometry
Immunophenotyping	EDTA blood	Flow cytometry
Leukaemia and lymphoma differentiation	EDTA blood, lymph node aspirate	Flow cytometry

Type of test: Electrophoresis *

Analyte (measurand)	Test material (matrix)	Testing technique
Protein fractions (albumin, α , β , γ -globulines)	Serum, plasma, punctate (all animal species)	Capillary electrophoresis
Immunoglobulin G	Serum, plasma, aspirate (all animal species)	Capillary electrophoresis

Type of test: Ligand assays *

Analyte (measurand)	Test material (matrix)	Testing technique
Allergen-specific immunoglobulins E and immunoglobulins G	Serum, plasma (dogs, cats)	Enzyme immunoassay
Allergen-specific immunoglobulins E and immunoglobulins G	Serum, plasma (horses)	Enzyme immunoassay
Modified gliadin peptide IgG antibodies	Serum (dogs)	Enzyme immunoassay
Immunoglobulin A	Serum, plasma, liquor (dogs)	Enzyme immunoassay
Transglutaminase-2 IgA antibodies	Serum (dogs)	Enzyme immunoassay

Type of test: Microscopy *

Analyte (measurand)	Test material (matrix)	Testing technique
Antinuclear antibodies	Serum, plasma (dogs, cats, horses)	Fluorescence microscopy
SKL antibodies (acetylcholine receptor antibodies)	Serum, plasma (dogs, cats)	Fluorescence microscopy

Type of test: Turbidimetry *

Analyte (measurand)	Test material (matrix)	Testing technique
Immunoglobulin M	Serum, plasma (all animal species)	Turbidimetry

Testing field: Microbiology

Type of test: Agglutination test **

Analyte (measurand)	Test material (matrix)	Testing technique
Aspergillus antibodies	Serum	Haemagglutination
Brucella canis antibodies	Serum, plasma	Direct agglutination
Cryptococcus antibodies	Serum, plasma	Direct agglutination
E. coli	E. coli isolates	Direct agglutination
Leptospira antibodies	Serum, urine	Micro-agglutination test
Salmonellae	Salmonella isolates	Direct agglutination
Salmonella antibodies	Serum, plasma	Serum slow agglutination

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Analyte (measurand)	Test material (matrix)	Testing technique
Staphylococcus/streptococcus agglutination	Bacterial isolates	Direct agglutination
Yersinia enterocolitica	Yersinia enterocolitica isolates	Direct agglutination
Yersinia antibodies	Serum, plasma	Serum slow agglutination

Type of test: Amplification method **

Analyte (measurand)	Test material (matrix)	Testing technique
Actinobacillus pleuropneumoniae	Swab (nose), tissue (lung, tonsils)	PCR
Anaplasma phagozytophilum	EDTA blood, bone marrow, liquor, synovia, tick	TaqMan real-time PCR
Anaplasma platys	EDTA blood, tick	TaqMan real-time PCR
Bartonella henselae	EDTA blood, liquor, (swab (oral cavity)), fleas	TaqMan real-time PCR
Batrachochytrium dendrobatidis	Swab (skin), tissue	TaqMan real-time PCR
Batrachochytrium salamandrivorans	Swab (skin), tissue	TaqMan real-time PCR
Bordetella bronchiseptica	Swab (nose, pharynx), TBS, BAL	TaqMan real-time PCR
Borrelia species	Synovia, liquor, skin biopsy, tick, urine	TaqMan real-time PCR
Brachyspira hyodysenteriae	Faeces	PCR
Brucella canis	Swab without a transport medium (cervix, preputium), EDTA blood (long bacteraemia: approx. 1-5 years), sperm, urine, faeces, milk, tissue (abort material)	TaqMan real-time PCR
Campylobacter jejuni	Faeces	TaqMan real-time PCR
Canine mycoplasma	Swab (eye, nose, pharynx, genital tract), BAL, EDTA blood	PCR
Chlamydophila psittaci	3 swabs: Conjunctive, oral cavity, cloaca, tissue (liver, spleen, lung), faeces	TaqMan real-time PCR
Chlamydophila species	Swab (mostly eye, nose, cervix), tissue (mostly lung, abort material), lavage samples	TaqMan real-time PCR
Coxiella burnetii	Swab (vagina), abort material, amniotic fluid, faeces, urine, milk, ticks	TaqMan real-time PCR
Intestinal dysbiosis	Faeces	SYBR Green real time PCR
Dermatophytes	Hairs with roots, deep skin scrapings, dander, scabs, claws	PCR
E. coli eae (intimin)	Swabs of E. coli cultures from faeces	PCR
E. coli sta	Swabs of E. coli cultures from faeces	TaqMan real-time PCR
E. coli stx1 and 2	Swabs of E. coli cultures (faeces, tissue)	TaqMan real-time PCR
Ehrlichia canis	EDTA blood, tick	TaqMan real-time PCR
Eperythrozoon suis	EDTA blood	TaqMan real-time PCR

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Analyte (measurand)	Test material (matrix)	Testing technique
Francisella tularensis	Tissue, mostly spleen, liver, lung, kidney, lymph node punctates, (swabs from the pharynx/tonsil)	TaqMan real-time PCR
Helicobacter	Vomit, tissue (stomach biopsy), abort material	PCR
Histophilus somni	Swab without a transport medium (nose, pharynx, genital tract), lavage sample (NSP, TSP, BAL), tissue (lung)	TaqMan real-time PCR
Lawsonia intracellularis	Faeces, tissue (intestine)	TaqMan real-time PCR
Leptospire	Urine, aqueous fluid, vitreous humour material, (EDTA blood (bacteraemia at the beginning of the infection)), tissue (kidney, heart, abort material)	TaqMan real-time PCR
Mannheimia haemolytica	Swab without a transport medium (nose, pharynx), lavage sample (NSP, TSP, BAL), tissue (lung)	TaqMan real-time PCR
Melissococcus plutonius	Larvae of bees/bees	PCR
Methicillin-resistant staphylococcus aureus (MRSA)	Swabs	TaqMan real-time PCR
Mycoplasma agassizii	Nasal lavage sample, swab	PCR
Mycoplasma gallisepticum / synoviae	Swab (pharynx, cloaca), tissue (lung), faeces	TaqMan real-time PCR
Mycoplasma bovis	Swab (nose, pharynx), TBS, synovia, milk, tissue (lung)	TaqMan real-time PCR
Mycoplasma felis	Swab (eye, nose, pharynx, genital tract), (EDTA blood)	TaqMan real-time PCR
Mycoplasma haemocanis (haemobartonella)	EDTA blood	TaqMan real-time PCR
Mycoplasma haemofelis / haemominutum / turicensis (haemobartonella)	EDTA blood	TaqMan real-time PCR
Mycoplasma haemolamae	EDTA blood	TaqMan real-time PCR
Mycoplasma hyopneumoniae	Swab (trachea), BAL, tissue (lung)	TaqMan real-time PCR
Mycoplasma pulmonis	Swab (pharynx, nose), tissue (lung)	PCR
Mykobacterium avium spp paratuberculosis	Faeces, tissue (intestine, lymph nodes), milk	TaqMan real-time PCR
Neoehrlichia mikurensis	Tick, EDTA blood, tissue (such as spleen, kidney, liver)	TaqMan real-time PCR
Nosema apis/ceranae	Bee intestine	TaqMan real-time PCR
Ophidiomyces ophiodiicola	Swab without a transport medium (skin), tissue (skin)	TaqMan real-time PCR
Pasteurella multocida	Swab (nose, pharynx) BAL, tissue (lung)	TaqMan real-time PCR
Rhodococcus equi	Swab (nose), TSP, BAL, faeces	TaqMan real-time PCR

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Analyte (measurand)	Test material (matrix)	Testing technique
Salmonella species	Faeces	TaqMan real-time PCR
Streptococcus equi equi / zooepidemicus	Swab (nose), TBS, BAL, abscess pus	TaqMan real-time PCR
Taylorella equigenitalis / asinigenitalis	Genital swabs, sperm	TaqMan real-time PCR
Treponema paraluis-cuniculi	Tissue (mostly skin lesions/scabs, regional lymph nodes, if applicable); swab without a transport medium (vagina, preputium)	TaqMan real-time PCR
Yersinia enterocolitica	Faeces	TaqMan real-time PCR

Type of test: Ligand assays *

Analyte (measurand)	Test material (matrix)	Testing technique
Borrelia antibodies	Serum, plasma (dogs, horses)	Immunoblot/line
Borrelia antibodies	Serum, plasma (dogs)	Enzyme immunoassay
Brucella abortus / melitensis antibodies	Serum, plasma (ruminants)	Enzyme immunoassay
Brucella suis antibodies	Serum, plasma (pigs)	Enzyme immunoassay
Clostridium difficile toxin	Faeces (all animal species)	Enzyme immunoassay
Clostridium perfringens toxin	Faeces (all animal species)	Enzyme immunoassay
Malassezia	Serum, plasma (dogs, horses)	Enzyme immunoassay
Mycoplasma bovis antibodies	Serum, plasma (cows)	Enzyme immunoassay
Paratuberculosis antibodies	Serum, plasma (cows, sheep, goats)	Enzyme immunoassay
Salmonella Dublin antibodies	Serum, plasma, milk (cows)	Enzyme immunoassay
Streptococcus equi antibodies	Serum, plasma (horses)	Enzyme immunoassay

Type of test: Cultural analyses **

Analyte (measurand)	Test material (matrix)	Testing technique
Aerobic bacteria and fungi	Skin, mucous membrane, hairs, feathers, tissue, smears, swabs, secretions, tissue fluids, blood, blood cultures, faeces, honey, urine, milk, honey and wax analysis	Non-specific and specific aerobic culture including enrichment process; blood culture process; inhibitor test; colony count
Alkaline phosphatase	Taylorella equigenitalis	Biochemical
Anaerobic bacteria	Skin, mucous membrane, hairs, feathers, tissue, smears, swabs, food analysis, secretions, tissue fluids, blood, blood cultures, faeces, honey, urine, milk, honey and wax analysis	Non-specific and specific anaerobic culture including enrichment process; blood culture process; colony count
Aerobic and anaerobic bacteria	Aerobic and anaerobic bacterial isolates	Resistance test, bouillon dilution method as MIC/breakpoint, antibiogram
Pathogenic fungi	Fungal isolates	Resistance test, agar diffusion test, antimycogram

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Analyte (measurand)	Test material (matrix)	Testing technique
ESBL producers	Gram-negative bacteria	Biochemical, bouillon dilution method
Gas producers	Faeces	Biochemical
Hyaluronidase producers	Bacterial isolates	Biochemical
Catalase producers	Bacterial isolates	Biochemical
Microaerophilic bacteria	Skin, mucous membrane, hairs, feathers, tissue, smears, swabs, secretions, tissue fluids, blood, blood cultures, faeces, honey, honey and wax analysis	Non-specific and specific microaerophilic culture, colony count
Oxidase producers	Bacterial isolates	Biochemical
Resistance test	Bacterial isolates	Resistance test, agar diffusion test, disk antimycogram
Growth of germs	Disinfectant solution from veterinary medicine sector	Culture, Identification with MALDI-TOF
Geobacillus stearothermophilus, Bacillus atrophaeus (ATCC strains)	Bioindicator	Culture in liquid medium
Growth of germs	Endoscope samples from veterinary medicine sector	Culture in liquid medium
Growth of germs	Contact plates	Culture, Identification with MALDI-TOF

Type of test: Microscopy **

Analyte (measurand)	Test material (matrix)	Testing technique
Bacteria, fungi	Bacteria, fungi	Bright-field microscopy, native
Gram-positive bacteria	Bacterial isolates	Bright-field microscopy, Gram staining
Microscopic nutritional utilisation	Faeces	Bright-field microscopy
Leptospira antibodies	Serum, urine	Dark-field microscopy
Saccharolytic bacteria	Faeces	Bright-field microscopy
Hair root status	Hair	Bright-field microscopy, trichogram
Dermatophilus congolensis	Skin	Bright-field microscopy
Fungal structures	Hair, skin	Microscopy
Bartonella henselae antibodies	Serum, plasma	Fluorescence microscopy
Borrelia antibodies	Serum, plasma	Fluorescence microscopy
Brucella canis antibodies	Serum, plasma	Fluorescence microscopy
Candida antibodies	Serum, plasma	Fluorescence microscopy
Chlamydia antibodies	Serum, plasma	Fluorescence microscopy
Chlamydia antibodies	Serum, plasma	Fluorescence microscopy
Lawsonia antibodies	Serum, plasma	Fluorescence microscopy
Listeria antibodies	Serum, plasma	Fluorescence microscopy
Q fever antibodies (Coxiella burnetii)	Serum, plasma	Fluorescence microscopy
Rickettsia antibodies	Serum, plasma	Fluorescence microscopy

Type of test: Qualitative/semiquantitative analyses with a visual assessment *

Analyte (measurand)	Test material (matrix)	Testing technique
E. coli K99	Faeces (cows)	FAST test

Type of test: Mass spectrometry *

Analyte (measurand)	Test material (matrix)	Testing technique
Bacteria, fungi	Bacterial isolates (all animal species) fungal isolates (all animal species)	MALDI-TOF-MS

Testing field: Parasitology

Type of test: Agglutination test *

Analyte (measurand)	Test material (matrix)	Testing technique
Trypanosoma evansi antibodies	Serum, plasma (dogs, cats, ruminants, camelids)	Card agglutination test

Type of test: Amplification method **

Analyte (measurand)	Test material (matrix)	Testing technique
Angiostrongylus vasorum	EDTA blood, BAL (TSP, if any, pharynx swab), faeces, tissue (mostly lung, brain, if	TaqMan real-time PCR
Babesia species	EDTA blood, tick	TaqMan real-time PCR
Cryptosporidia	Faeces, (in case of reptiles also stomach contents/vomit), tissue (intestine)	PCR
Encephalitozoon cuniculi	Urine, liquor, (faeces), tissue (kidney, brain)	PCR
Demodex	Skin scrapings	TaqMan real-time PCR
Giardia	Faeces, tissue (intestine)	TaqMan real-time PCR
Filaria (+ differentiation and quantification)	EDTA blood	TaqMan real-time PCR / PCR + ddPCR
Hepatozoon canis / felis	EDTA blood, tissue (liver, intestine), tick	TaqMan real-time PCR
Intranuclear coccidiosis (TINC)	Swab, nasal lavage sample, tissue	TaqMan real-time PCR
Leishmania infantum + quantification	Bone marrow, swab (conjunctiva), lymph nodes, spleen, skin biopsy, EDTA blood, urine	TaqMan real-time PCR and ddPCR
Malassezia pachydermatis	Swab without a transport medium (auditory canal, lips, vaginal or anal mucosa, toe interdigit), fungal culture	PCR
Neospora caninum	Tissue (brain from cow abortions, alternatively: lung, liver, kidney, placenta), faeces, liquor	TaqMan real-time PCR
Rickettsia	Tick, EDTA blood, skin biopsy, tissue	TaqMan real-time PCR
Sarcoptes scabiei var. canis	Skin scrapings (superficial)	TaqMan real-time PCR

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Analyte (measurand)	Test material (matrix)	Testing technique
Toxoplasma gondii	Tissue (brain, heart, lung, kidney, liver, placenta), liquor, faeces	TaqMan real-time PCR
Trichomonas spp	Swab (crop), crop lavage sample, swab (cloaca), faeces	PCR
Tritrichomonas foetus	Faeces (collected 3 days), swab (rectal mucosa), swab (cervix), preputial lavage sample (cows)	TaqMan real-time PCR

Type of test: Ligand assays *

Analyte (measurand)	Test material (matrix)	Testing technique
Anaplasma phagozytophilum antibodies	Serum, plasma (dogs)	Enzyme immunoassay
Babesia canis antibodies	Serum, plasma (dogs)	Enzyme immunoassay
Babesia caballi / Theileria equi antibodies	Serum, plasma (horses)	Enzyme immunoassay
Cryptosporidia	Faeces (cows)	FAST test
Cryptosporidia	Faeces (all animal species)	Enzyme immunoassay
Echinococcus antibodies	Serum, plasma (all animal species)	Enzyme immunoassay
Ehrlichia canis antibodies	Serum, plasma (dogs)	Enzyme immunoassay
Fasciola hepatica antibodies	Serum, plasma, milk (cows, sheep)	Enzyme immunoassay
Giardia	Faeces (dogs, cats)	FAST test
Giardia	Faeces (all animal species)	Enzyme immunoassay
Leishmania antibodies	Serum, plasma (dogs)	Enzyme immunoassay
Neospora caninum antibodies	Serum, plasma (cows)	Enzyme immunoassay
Ostertagia ostertagi antibodies	Milk (cows)	Enzyme immunoassay
Equine tapeworm	Serum, plasma (horses)	Enzyme immunoassay
Sarcoptes antibodies	Serum, plasma (dogs)	Enzyme immunoassay
Toxoplasma antibodies	Serum, plasma (dogs, cats)	Enzyme immunoassay

Type of test: Microscopy **

Analyte (measurand)	Test material (matrix)	Testing technique
Microfilariae count (Knott)	EDTA blood	Bright-field microscopy
Ectoparasites	Hair, skin	Bright-field microscopy
Endoparasites	Faeces	Bright-field microscopy
Anaplasma phagocytophilum antibodies	Serum, plasma	Fluorescence microscopy
Babesia canis antibodies	Serum, plasma	Fluorescence microscopy
Babesia gibsoni antibodies	Serum, plasma	Fluorescence microscopy
Babesia caballi / Theileria equi antibodies	Serum, plasma	Fluorescence microscopy
Cryptosporidia, giardia	Faeces	Fluorescence microscopy
Ehrlichia canis antibodies	Serum, plasma	Fluorescence microscopy

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Analyte (measurand)	Test material (matrix)	Testing technique
Encephalitozoon cuniculi antibodies	Serum, plasma	Fluorescence microscopy
Leishmania antibodies	Serum, plasma	Fluorescence microscopy
Neospora caninum antibodies	Serum, plasma	Fluorescence microscopy
Toxoplasma antibodies	Serum, plasma	Fluorescence microscopy

Type of test: Qualitative/semiquantitative analyses with a visual assessment *

Analyte (measurand)	Test material (matrix)	Testing technique
Angiostrongylus vasorum	Serum (dogs, cats)	using reagent carriers
Dirofilaria antibodies	Serum, plasma (dogs, cats)	Using reagent carriers

Testing field: Virology (incl. infectious disease serology, molecular biology)

Type of test: Amplification method **

Analyte (measurand)	Test material (matrix)	Testing technique
Adenovirus reptiles/birds	Swab (pharynx, cloaca), tissue (mostly small intestine), swab (cloaca), faeces, tissue (mostly intestine, liver)	PCR
Aleutian mink disease virus (parvovirus ferrets)	EDTA blood (viraemia), rectal swab (faeces), tissue (spleen, lymph nodes),	PCR
Arenavirus (IBD)	EDTA blood, blood smear, swab (oesophagus), tissue (liver, pancreas, kidney, CNS)	PCR
Avian bornavirus	Swab (cloaca AND crop), tissue (brain, gastro-intestinal tract)	TaqMan real-time PCR
Avian polyomavirus (APV)	Feather (recently plucked), blood stain card, EDTA blood, (faeces)	TaqMan real-time PCR
Avipoxvirus	Skin punch, scab/skin material, tissue	PCR
Bluetongue virus	EDTA blood and tissue	TaqMan real-time PCR
Bornavirus mammals	Liquor, tissue (brain, CNS), aqueous fluid, EDTA blood	TaqMan real-time PCR
Bovine coronavirus	Faeces, swab without a transport medium (nose), tissue (lung)	TaqMan real-time PCR
Bovine viral diarrhoea/mucosal disease BVD/MD	EDTA blood, milk, faeces, tissue (ear punches, spleen, CNS)	TaqMan real-time PCR
Bovine papillomavirus 1+2 (sarcoïd)	Scabs, hairs (hair roots!), tissue (tumour)	TaqMan real-time PCR
Bovine parainfluenza virus 3 (BPIV-3)	Swab (nose, pharynx) BAL, tissue (lung)	TaqMan real-time PCR
Bovine respiratory syncytial virus (BRSV)	Swab (nose, pharynx), BAL, tissue (lung)	TaqMan real-time PCR

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Analyte (measurand)	Test material (matrix)	Testing technique
Canine circovirus	Faeces, EDTA blood, tissue (mostly liver, lymphoid tissue, intestine, kidney)	TaqMan real-time PCR
Canine coronavirus	Faeces	TaqMan real-time PCR
Canine herpesvirus (CHV)	Swab (vagina, preputium, eye, nose, pharynx), BAL, sperm, abort material, EDTA blood	TaqMan real-time PCR
Canine parainfluenza virus (CPiV)	Swab nose, pharynx	TaqMan real-time PCR
Canine parvovirus (CPV-2, 2a, 2b, 2c) + quantification	Faeces, tissue, EDTA blood	TaqMan real-time PCR + ddPCR
Canine distemper virus (+ quantification)	Swab (eye, nose, pharynx, tonsils), EDTA blood, liquid, cumulative urine sample,	TaqMan real-time PCR + ddPCR
Carp edema virus CEV	Tissue (gills)	TaqMan real-time PCR
Chronic bee paralysis virus	Bee heads	TaqMan real-time PCR
EBHSV	Organs (mostly liver), faeces, (urine, saliva)	TaqMan real-time PCR
Equine viral arteritis (EVA) virus	Sperm, swab (pharynx, conjunctiva), urine, EDTA blood	TaqMan real-time PCR
Equine coronavirus	Faeces	TaqMan real-time PCR
Equine herpesvirus 1 (EHV-1) (+ differentiation of EHV-1 virus variants)	Swab (nose, deep), BAL, abort material, liquor (in case of ataxia), (EDTA blood/buffy coat in case of fever)	TaqMan real-time PCR / SNP assay
Equine herpesvirus 2 (EHV-2)	Swab (eye/cornea), for foals: Lung diseases: BAL, swab (nose)	TaqMan real-time PCR
Equine herpesvirus 3 (EHV-3)	Swab without a transport medium (lesions of the external genital tract (vestibule, penis, preputium) and adjacent skin areas), tissue (lesions)	TaqMan real-time PCR
Equine herpesvirus 4 (EHV-4)	Swab (nose, deep), BAL, abort material, liquor (in case of ataxia), (EDTA blood/buffy coat in case of fever)	TaqMan real-time PCR
Equine herpesvirus 5 (EHV-5)	Swab (eye/cornea), for foals: Lung diseases: BAL, swab (nose)	TaqMan real-time PCR
Feline calicivirus (FCV)	Swab (eye, oral cavity, pharynx), (EDTA blood (viraemia)	TaqMan real-time PCR
Feline coronavirus (FCoV) + quantification	Faeces (collected 3 days) or swabs (rectum), punctate: ascites/thoracic effusion, liquor, aqueous fluid, EDTA blood	TaqMan real-time PCR and ddPCR
Feline herpesvirus (FHV)	Swab (eye, pharynx), EDTA blood (viraemia)	TaqMan real-time PCR
Feline leukemia virus (FeLV)	EDTA blood, liquor, bone marrow	TaqMan real-time PCR
Feline immunodeficiency virus (FIV)	EDTA whole blood	TaqMan real-time PCR

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Analyte (measurand)	Test material (matrix)	Testing technique
Deformed wing virus	Bee heads	TaqMan real-time PCR
Tick-borne encephalitis (TBE) virus	Tick, EDTA blood, liquor, serum	TaqMan real-time PCR
Herpes consensus	Swab, tissue (reptiles), feather, blood, swab, faeces, tissue	PCR
Chelonid herpesvirus (ChHV)	Swab (oral cavity: tongue, roof), tissue (liver, intestine, brain) (tortoise)	PCR
Testudinid herpesvirus (TeHV)	Swab (oral cavity: tongue, roof), tissue (liver, intestine, brain) (tortoise)	PCR
Influenza A virus	Swab, BAL, EDTA blood	TaqMan real-time PCR
Iridovirus	Swab, skin	PCR
Koi herpesvirus (KHV)	Tissue (gill, brain, liver, spleen, skin, intestine), gill/skin biopsy (cypriniforms)	TaqMan real-time PCR
Myxoma virus	Swab (eye, nose, pharynx), tissue (conjunctiva, lung, kidney), EDTA blood	TaqMan real-time PCR
Nidovirus	Swab, TSP, tissue (mostly lung, trachea, mouth)	PCR
Orthopoxvirus	Skin scab	TaqMan real-time PCR
Panleukopenia virus/feline parvovirus (FPV)	Faeces, EDTA blood	TaqMan real-time PCR
Papilloma virus	Tissue (skin)	PCR
Paramyxovirus snake	Swab (oesophagus, cloaca), TSP, tissue (lung, brain)	PCR
Parvovirus differentiation	Faeces, tissue, EDTA blood	PCR
Picornavirus	Swab, tissue	PCR
Pigeon circovirus	Swab (cloaca), feather (recently plucked), blood, faeces, tissue (bursa fabricii, spleen, liver)	PCR
Porcine circovirus 2 (PCV-2)	Tissue (lung, lymph nodes, tonsils, spleen), EDTA blood	TaqMan real-time PCR
Porcine parvovirus (PPV)	Abort material, tissue (liver, lung)	TaqMan real-time PCR
Porcine reproductive and respiratory syndrome virus	Swab (pharynx), abort material, tissue (Lnn, tonsils, lung, spleen), EDTA blood, sperm	TaqMan real-time PCR
Psittacine beak and feather disease (Pbfd) virus	Feather (recently plucked), blood stain card, EDTA blood, faeces	TaqMan real-time PCR
Rabbit haemorrhagic disease RHD	Swab (e.g. conjunctiva), urine, faeces, EDTA blood, bone marrow, tissue (mostly liver)	TaqMan real-time PCR
Ranavirus	Swab, tissue	TaqMan real-time PCR
Reovirus	Swab, tissue, BAL (reptiles), swab (cloaca), faeces, tissue	PCR
Sacbrood virus	Larvae of bees	PCR
Sunshine virus	Swab, tissue	PCR
West Nile virus (WNV)	Liquor, EDTA blood, tissue (mostly brain, spleen, tonsils), swab (pharynx, cloaca), tissue (mostly brain)	TaqMan real-time PCR

Type of test: Ligand assays *

Analyte (measurand)	Test material (matrix)	Testing technique
Bluetongue virus antibodies	Serum, plasma (ruminants)	Enzyme immunoassay
Bovine viral diarrhoea antibodies (BVD)	Serum, plasma, milk (ruminants)	Enzyme immunoassay
Bovine herpesvirus-1 antibodies (BHV-1)	Serum, plasma, milk (ruminants)	Enzyme immunoassay
Bovine herpesvirus-4 antibodies (BHV-4)	Serum, plasma (ruminants)	Enzyme immunoassay
Bovine parainfluenza virus 3 antibodies	Serum, plasma (ruminants)	Enzyme immunoassay
Bovine respiratory syncytial virus antibodies	Serum, plasma (ruminants)	Enzyme immunoassay
Caprine arthritis encephalitis virus antibodies (CAE)	Serum, plasma (goats)	Enzyme immunoassay
Coronavirus	Faeces (dogs, cows)	FAST test
Equine infectious anaemia virus antibodies	Serum (horses)	Enzyme immunoassay
Equine herpesvirus 1 antibodies (EHV-1)	Serum, plasma (horses)	Enzyme immunoassay
Equine herpesvirus 4 antibodies (EHV-4)	Serum, plasma (horses)	Enzyme immunoassay
Feline coronavirus antibodies (FCoV) ("FIP")	Serum, plasma (cats)	Enzyme immunoassay
Feline immunodeficiency virus (FIV)	Serum, plasma (cats)	Enzyme immunoassay
Feline leukaemia virus (FeLV)	Serum, plasma (cats)	Enzyme immunoassay
Tick-borne encephalitis virus IgG antibodies (TBE)	Serum, plasma (dogs, cats, horses)	Enzyme immunoassay
Tick-borne encephalitis virus IgG antibodies (TBE)	Serum, plasma (dogs, cats, horses)	Enzyme immunoassay
Tick-borne encephalitis virus IgG antibodies (TBE)	Liquor (dogs, cats, horses)	Enzyme immunoassay
Maedi-visna antibodies	Serum, plasma (sheep)	Enzyme immunoassay
Parvovirus	Faeces (dogs, cats)	FAST test
Rotavirus	Faeces (all animal species)	Enzyme immunoassay
Rotavirus, coronavirus	Faeces (cows)	FAST test
West Nile virus IgG antibodies (WNV)	Serum, plasma (horses, birds)	Enzyme immunoassay
West Nile virus IgM antibodies (WNV)	Serum (horses)	Enzyme immunoassay

Type of test: Microscopy *

Analyte (measurand)	Test material (matrix)	Testing technique
Canine distemper virus antibodies	Serum, plasma (dogs)	Fluorescence microscopy
Canine herpesvirus antibodies (CHV)	Serum, plasma (dogs)	Fluorescence microscopy
Canine parainfluenza virus	Serum, plasma (dogs)	Fluorescence microscopy
Canine parvovirus antibodies (CPV)	Serum, plasma (dogs)	Fluorescence microscopy
Equine herpesvirus 1 antibodies (EHV-1)	Serum, plasma (horses)	Fluorescence microscopy
Equine herpesvirus 4 antibodies (EHV-4)	Serum, plasma (horses)	Fluorescence microscopy
Feline panleukopenia antibodies	Serum, plasma (cats)	Fluorescence microscopy
Feline calicivirus antibodies (FCV)	Serum, plasma (cats)	Fluorescence microscopy
Feline herpesvirus antibodies (FHV)	Serum, plasma (cats)	Fluorescence microscopy
Feline parvovirus antibodies	Serum, plasma (cats)	Fluorescence microscopy
Hepatitis contagiosa canis antibodies (HCC)	Serum, plasma (dogs, cats)	Fluorescence microscopy

Type of test: Neutralisation tests **

Analyte (measurand)	Test material (matrix)	Testing technique
Equine arteritis virus antibodies	Serum, plasma	Cell culture, neutralisation test
TeHV-1 antibodies	Serum, plasma	Cell culture, neutralisation test
TeHV-3 antibodies	Serum, plasma	Cell culture, neutralisation test
Torchivirus	Serum, plasma	Cell culture, neutralisation test

Type of test: Other

Analyte (measurand)	Test material (matrix)	Testing technique
Equine infectious anaemia virus antibodies (Coggins test)	Serum (horses)	Immunodiffusion

Testing field: Genetics

Type of test: Amplification method **

Analyte (measurand)	Test material (matrix)	Testing technique
Genetic analysis	EDTA blood, swabs, blood stain cards	Fragment length analysis
Achromatopsia German	EDTA blood, swabs, blood stain cards	Sequencing
Achromatopsia Labrador	EDTA blood, swabs, blood stain cards	Sequencing
Obesity Labrador	EDTA blood, swabs, blood stain cards	Fragment length analysis
Acatalasaemia beagle	EDTA blood, swabs, blood stain cards	Sequencing
Acral mutilation syndrome AMS	EDTA blood, swabs, blood stain cards	SNP assay
Acute respiratory distress Dalmatian	EDTA blood, swabs, blood stain cards	Sequencing
Alaskan Husky encephalopathy AHE	EDTA blood, swabs, blood stain cards	SNP assay
Albino cat	EDTA blood, swabs, blood stain cards	Sequencing
Alexander disease Labrador	EDTA blood, swabs, blood stain cards	Sequencing
A-locus agouti cat	EDTA blood, swabs, blood stain cards	SNP assay
A-locus dog	EDTA blood, swabs, blood stain cards	SNP assay and fragment length analysis
Amelogenesis imperfecta AI Akita	EDTA blood, swabs, blood stain cards	Sequencing
Amelogenesis imperfecta AI Parson Russell terrier	EDTA blood, swabs, blood stain cards	Sequencing
Amelogenesis imperfecta Italian greyhound	EDTA blood, swabs, blood stain cards	SNP assay
Amelogenesis imperfecta Samoyed	EDTA blood, swabs, blood stain cards	Sequencing
Androgen insensitivity syndrome horse	EDTA blood, swabs, blood stain cards	Sequencing
Appaloosa pattern PATN1	EDTA blood, swabs, blood stain cards	Sequencing
Autoimmune lymphoproliferative syndrome British shorthair	EDTA blood, swabs, blood stain cards	Sequencing
Bardet-Biedl syndrome Puli	EDTA blood, swabs, blood stain cards	Sequencing
beta-Casein A1-A2 cow	EDTA blood, swabs, blood stain cards	SNP assay
B-locus dog	EDTA blood, swabs, blood stain cards	SNP assay
Blood typing genetic cat	EDTA blood, swabs, blood stain cards	SNP assay
b-PRA cat	EDTA blood, swabs, blood stain cards	SNP assay
BRAF variant dog	Urine, tissue, smears	ddPCR
Brindle horse	EDTA blood, swabs, blood stain cards	Sequencing
Burmese cat	EDTA blood, swabs, blood stain cards	SNP assay
C3 deficiency	EDTA blood, swabs, blood stain cards	Sequencing
Canine leukocyte adhesion deficiency CLAD Irish setter	EDTA blood, swabs, blood stain cards	SNP assay
Canine multifocal retinopathy CMR1	EDTA blood, swabs, blood stain cards	Sequencing
Canine multifocal retinopathy CMR2	EDTA blood, swabs, blood stain cards	Sequencing

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Analyte (measurand)	Test material (matrix)	Testing technique
Canine multifocal retinopathy CMR3	EDTA blood, swabs, blood stain cards	Sequencing
Canine multiple system degeneration CMSD Chinese Crested	EDTA blood, swabs, blood stain cards	Sequencing
Canine multiple system degeneration CMSD Kerry Blue terrier	EDTA blood, swabs, blood stain cards	Sequencing
Centronuclear myopathy CNM German hunting terrier	EDTA blood, swabs, blood stain cards	SNP assay
Centronuclear myopathy CNM Labrador	EDTA blood, swabs, blood stain cards	Fragment length analysis
Centronuclear myopathy mastiff	EDTA blood, swabs, blood stain cards	Sequencing
Cerebellar abiotrophy CA Arabian	EDTA blood, swabs, blood stain cards	SNP assay
Cerebral dysfunction Stabyhoun	EDTA blood, swabs, blood stain cards	SNP assay
Champagne horse	EDTA blood, swabs, blood stain cards	SNP assay
Charcoal	EDTA blood, swabs, blood stain cards	Sequencing
Charcot-Marie-Tooth neuropathy miniature schnauzer	EDTA blood, swabs, blood stain cards	Sequencing
Chocolate cat	EDTA blood, swabs, blood stain cards	SNP assay
Chondrodysplasia (CDPA) and chondrodystrophy (CDDY) dachshund paralysis (IVDD)	EDTA blood, swabs, blood stain cards	Fragment length analysis
Chondrodysplasia elkhound	EDTA blood, swabs, blood stain cards	Sequencing
Cinnamon cat	EDTA blood, swabs, blood stain cards	SNP assay
C-locus caL	EDTA blood, swabs, blood stain cards	Sequencing
C-locus OCA2	EDTA blood, swabs, blood stain cards	SNP assay
CNGA1-PRA	EDTA blood, swabs, blood stain cards	SNP assay
Cocoa French bulldog	EDTA blood, swabs, blood stain cards	SNP assay
Comma defect miniature schnauzer	EDTA blood, swabs, blood stain cards	Sequencing
Congenital stationary night blindness CSNB Briard	EDTA blood, swabs, blood stain cards	SNP assay
Congenital hypothyroidism French bulldog	EDTA blood, swabs, blood stain cards	Sequencing
Congenital hypothyroidism Spanish water dog	EDTA blood, swabs, blood stain cards	Sequencing
Congenital hypothyroidism Tenterfield terrier	EDTA blood, swabs, blood stain cards	Sequencing
Congenital hypothyroidism toy fox terrier	EDTA blood, swabs, blood stain cards	Sequencing

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Analyte (measurand)	Test material (matrix)	Testing technique
Congenital myasthenic syndrome Old Danish pointer	EDTA blood, swabs, blood stain cards	Sequencing
Congenital myasthenic syndrome golden retriever	EDTA blood, swabs, blood stain cards	Sequencing
Congenital myasthenic syndrome Jack Russell terrier	EDTA blood, swabs, blood stain cards	Sequencing
Congenital myasthenic syndrome cat	EDTA blood, swabs, blood stain cards	Sequencing
Congenital myasthenic syndrome Labrador	EDTA blood, swabs, blood stain cards	Sequencing
Connemara pony hoof wall separation disease HWSD	EDTA blood, swabs, blood stain cards	SNP assay
Cord1-PRA	EDTA blood, swabs, blood stain cards	SNP assay
Craniomandibular osteopathy CMO	EDTA blood, swabs, blood stain cards	SNP assay
crd1 PRA	EDTA blood, swabs, blood stain cards	Sequencing
crd2 PRA	EDTA blood, swabs, blood stain cards	Sequencing
Cream horse	EDTA blood, swabs, blood stain cards	SNP assay
Curly dog	EDTA blood, swabs, blood stain cards	SNP assay
Curly horse	EDTA blood, swabs, blood stain cards	Sequencing
Curly Selkirk Rex	EDTA blood, swabs, blood stain cards	Sequencing
Cystinuria Australian cattle dog	EDTA blood, swabs, blood stain cards	Sequencing
Cystinuria bulldog/mastiff	EDTA blood, swabs, blood stain cards	SNP assay
Cystinuria cat	EDTA blood, swabs, blood stain cards	Sequencing
Cystinuria Labrador	EDTA blood, swabs, blood stain cards	Sequencing
Cystinuria Landseer Newfoundland	EDTA blood, swabs, blood stain cards	SNP assay
Cystinuria miniature pinscher	EDTA blood, swabs, blood stain cards	Sequencing
Degenerative myelopathy DM Exon 1 Bernese mountain dog	EDTA blood, swabs, blood stain cards	SNP assay
Degenerative myelopathy Exon 2 dog	EDTA blood, swabs, blood stain cards	SNP assay
Dermatomyositis DMS collie Shetland sheepdog	EDTA blood, swabs, blood stain cards	SNP assay + sequencing
Digital hyperkeratosis	EDTA blood, swabs, blood stain cards	SNP assay
Digital hyperkeratosis FNEPPK French mastiff	EDTA blood, swabs, blood stain cards	SNP assay
Dilated cardiomyopathy DCM schnauzer	EDTA blood, swabs, blood stain cards	Sequencing
Dilution dog	EDTA blood, swabs, blood stain cards	SNP assay
Dilution cat	EDTA blood, swabs, blood stain cards	SNP assay
DNA profile dog ISAG	EDTA blood, swabs, blood stain cards	Fragment length analysis
DNA profile dog ISAG SNP	EDTA blood, swabs, blood stain cards	Next generation sequencing
DNA profile dog ISAG	EDTA blood, swabs, blood stain cards	Fragment length analysis
DNA profile dog mix AB	EDTA blood, swabs, blood stain cards	Fragment length analysis

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Analyte (measurand)	Test material (matrix)	Testing technique
DNA profile cat	EDTA blood, swabs, blood stain cards	Fragment length analysis
DNA profile cat ISAG SNP	EDTA blood, swabs, blood stain cards	Next generation sequencing
DNA profile horse	EDTA blood, swabs, blood stain cards	Fragment length analysis
Dominant white cat	EDTA blood, swabs, blood stain cards	Size-specific DNA fragment analysis in agarose gel
Domino sable dog	EDTA blood, swabs, blood stain cards	Sequencing
Dry eye curly coat	EDTA blood, swabs, blood stain cards	SNP assay
Dun	EDTA blood, swabs, blood stain cards	SNP assay and fragment length analysis
DWLM Eurasier	EDTA blood, swabs, blood stain cards	SNP assay
Dystrophic epidermolysis bullosa	EDTA blood, swabs, blood stain cards	Sequencing
ED-SFS	EDTA blood, swabs, blood stain cards	Sequencing
EH-locus sable	EDTA blood, swabs, blood stain cards	Sequencing
E-locus dog	EDTA blood, swabs, blood stain cards	SNP assay
EM-locus melanistic mask dog	EDTA blood, swabs, blood stain cards	SNP assay
Inflammatory pulmonary disease IPD collie	EDTA blood, swabs, blood stain cards	SNP assay
Epidermolytic hyperkeratosis Norfolk terrier	EDTA blood, swabs, blood stain cards	Sequencing
Episodic falling Cavalier King Charles spaniel	EDTA blood, swabs, blood stain cards	Size-specific DNA fragment analysis in agarose gel
Equine malignant hyperthermia horse	EDTA blood, swabs, blood stain cards	Sequencing
Hereditary deafness Dalmatian	EDTA blood, swabs, blood stain cards	Sequencing
Exercise-induced collapse	EDTA blood, swabs, blood stain cards	SNP assay
Factor VII deficiency	EDTA blood, swabs, blood stain cards	SNP assay
Ichthyosis	EDTA blood, swabs, blood stain cards	Sequencing
Familial nephropathy English springer spaniel	EDTA blood, swabs, blood stain cards	Sequencing
Familial nephropathy Samoyed	EDTA blood, swabs, blood stain cards	Sequencing
Fanconi basenji	EDTA blood, swabs, blood stain cards	Sequencing
Coat colour amber Norwegian forest cat	EDTA blood, swabs, blood stain cards	SNP assay
Finnish hound ataxia	EDTA blood, swabs, blood stain cards	SNP assay
Foal immunodeficiency syndrome FIS	EDTA blood, swabs, blood stain cards	Sequencing
Chestnut horse	EDTA blood, swabs, blood stain cards	SNP assay
Fucosidosis English springer spaniel	EDTA blood, swabs, blood stain cards	Sequencing
Furnishing dog	EDTA blood, swabs, blood stain cards	Sequencing
Gallbladder mucocele	EDTA blood, swabs, blood stain cards	Sequencing
Sex determination (bird)	Feathers, blood	SNP assay
Sex determination (bird)	Feathers, blood	Size-specific DNA fragment analysis in agarose gel

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Analyte (measurand)	Test material (matrix)	Testing technique
Sex determination (bird)	Feathers, blood	Size-specific DNA fragment analysis in agarose gel
Glanzmann thrombasthenia Great Pyrenees	EDTA blood, swabs, blood stain cards	Sequencing
Brittle bone disease beagle	EDTA blood, swabs, blood stain cards	Sequencing
Brittle bone disease dachshund	EDTA blood, swabs, blood stain cards	Sequencing
Brittle bone disease golden retriever	EDTA blood, swabs, blood stain cards	Sequencing
Glaucoma goniodysgenesis border collie	EDTA blood, swabs, blood stain cards	SNP assay
Globoid cell leukodystrophy/Krabbe West Highland white terrier	EDTA blood, swabs, blood stain cards	SNP assay
Glycogen branching enzyme deficiency GBED horse	EDTA blood, swabs, blood stain cards	SNP assay
Glycogen storage disease GSD Maltese	EDTA blood, swabs, blood stain cards	Sequencing
Glycogen storage disease GSD II Pompe	EDTA blood, swabs, blood stain cards	Sequencing
Glycogen storage disease GSD III curly-coated retriever	EDTA blood, swabs, blood stain cards	Sequencing
Glycogen storage disease GSD IV Norwegian forest cat	EDTA blood, swabs, blood stain cards	Fragment length analysis
GM1 gangliosidosis Shiba Inu	EDTA blood, swabs, blood stain cards	SNP assay
GM1 gangliosidosis husky	EDTA blood, swabs, blood stain cards	Sequencing
GM1 gangliosidosis Korat/Siamese	EDTA blood, swabs, blood stain cards	Sequencing
GM1 gangliosidosis Portuguese water dog	EDTA blood, swabs, blood stain cards	Sequencing
GM2 gangliosidosis Burmese	EDTA blood, swabs, blood stain cards	Sequencing
GM2 gangliosidosis Japanese Chin	EDTA blood, swabs, blood stain cards	Sequencing
GM2 gangliosidosis Korat	EDTA blood, swabs, blood stain cards	Sequencing
GM2 gangliosidosis poodle	EDTA blood, swabs, blood stain cards	Sequencing
GM2 gangliosidosis Shiba Inu	EDTA blood, swabs, blood stain cards	Sequencing
GR PRA 1 golden retriever	EDTA blood, swabs, blood stain cards	SNP assay
GR-PRA 2 golden retriever	EDTA blood, swabs, blood stain cards	SNP assay
Gray collie syndrome collie	EDTA blood, swabs, blood stain cards	SNP assay
Predictive height test horse	EDTA blood, swabs, blood stain cards	SNP assay
Shedding dog	EDTA blood, swabs, blood stain cards	Sequencing
Coat length dog	EDTA blood, swabs, blood stain cards	SNP assay + sequencing
Coat length cat	EDTA blood, swabs, blood stain cards	SNP/sequencing
Hairlessness dog	EDTA blood, swabs, blood stain cards	Fragment length analysis
Hairlessness Scottish deerhound	EDTA blood, swabs, blood stain cards	Sequencing
Hairless/curly cat	EDTA blood, swabs, blood stain cards	Sequencing

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- Translation -

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Analyte (measurand)	Test material (matrix)	Testing technique
Haemophilia A Old English	EDTA blood, swabs, blood stain cards	Sequencing
Haemophilia A boxer	EDTA blood, swabs, blood stain cards	Sequencing
Haemophilia A German shepherd	EDTA blood, swabs, blood stain cards	SNP assay
Haemophilia A Havanese	EDTA blood, swabs, blood stain cards	Size-specific DNA fragment analysis in agarose gel
Haemophilia B Hovawart	EDTA blood, swabs, blood stain cards	Sequencing
Haemophilia B Lhasa apso	EDTA blood, swabs, blood stain cards	Sequencing
Haemophilia B Rhodesian ridgeback	EDTA blood, swabs, blood stain cards	SNP assay
Bleeding diathesis Scott syndrome	EDTA blood, swabs, blood stain cards	Sequencing
Harlequin dog	EDTA blood, swabs, blood stain cards	Sequencing
Head defect Burmese	EDTA blood, swabs, blood stain cards	Sequencing
Hereditary ataxia Old English sheepdog, Gordon setter	EDTA blood, swabs, blood stain cards	SNP assay
Hereditary ataxia Norwegian Buhund	EDTA blood, swabs, blood stain cards	Sequencing
Hereditary cataract Boston terrier	EDTA blood, swabs, blood stain cards	Sequencing
Hereditary nasal parakeratosis HNPK greyhound	EDTA blood, swabs, blood stain cards	Sequencing
Hereditary nasal parakeratosis HNPK Labrador	EDTA blood, swabs, blood stain cards	SNP assay
Hereditary neuropathy GHN greyhound	EDTA blood, swabs, blood stain cards	Fragment length analysis
Hereditary equine regional dermal asthenia horse	EDTA blood, swabs, blood stain cards	SNP assay
Hydrocephalus Friesian	EDTA blood, swabs, blood stain cards	Sequencing
Hyperkalemic periodic paralysis horse	EDTA blood, swabs, blood stain cards	SNP assay
Hypertrophic cardiomyopathy HCM Maine Coon	EDTA blood, swabs, blood stain cards	SNP assay
Hypertrophic cardiomyopathy HCM Ragdoll	EDTA blood, swabs, blood stain cards	SNP assay
Hyperuricaemia SLC dog	EDTA blood, swabs, blood stain cards	SNP assay
Hypokalaemia Burmese	EDTA blood, swabs, blood stain cards	Sequencing
Hypomyelination Weimeraner	EDTA blood, swabs, blood stain cards	Sequencing
Hypomyelination English springer spaniel	EDTA blood, swabs, blood stain cards	Sequencing
Hypophosphatasia HPP Karelian Bear Dog	EDTA blood, swabs, blood stain cards	Sequencing

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Analyte (measurand)	Test material (matrix)	Testing technique
Hypotrichosis Birman	EDTA blood, swabs, blood stain cards	Sequencing
Ichthyosis American bulldog	EDTA blood, swabs, blood stain cards	SNP assay
I-locus dog	EDTA blood, swabs, blood stain cards	SNP assay
Imerslund-Gräsbeck syndrome IGS beagle	EDTA blood, swabs, blood stain cards	SNP assay
Imerslund-Gräsbeck syndrome IGS border collie	EDTA blood, swabs, blood stain cards	SNP assay
Imerslund-Gräsbeck syndrome IGS Komondor	EDTA blood, swabs, blood stain cards	Sequencing
Immune mediated myositis MYH1 myopathy Quarter Horse	EDTA blood, swabs, blood stain cards	Sequencing
Improper coat	EDTA blood, swabs, blood stain cards	Sequencing
Incontinentia pigmenti horse	EDTA blood, swabs, blood stain cards	Sequencing
Junctional epidermolysis bullosa JEB Belgian coldblood	EDTA blood, swabs, blood stain cards	Sequencing
Junctional epidermolysis bullosa JEB pointer	EDTA blood, swabs, blood stain cards	Sequencing
Juvenile encephalopathy JBD Russell terrier	EDTA blood, swabs, blood stain cards	SNP assay
Juvenile epilepsy Lagotto Romagnolo	EDTA blood, swabs, blood stain cards	SNP assay
Juvenile laryngeal paralysis and polyneuropathy JLPP	EDTA blood, swabs, blood stain cards	SNP assay
Juvenile myoclonic epilepsy Rhodesian ridgeback	EDTA blood, swabs, blood stain cards	SNP assay
K-locus dog	EDTA blood, swabs, blood stain cards	Sequencing
Cardiomyopathy and juvenile mortality Belgian shepherd	EDTA blood, swabs, blood stain cards	Sequencing
Krabbe Irish setter	EDTA blood, swabs, blood stain cards	Sequencing
Copper storage disease Bedlington terrier	EDTA blood, swabs, blood stain cards	Fragment length analysis
L-2-Hydroxyglutarica aciduria L2HGA Staffordshire bull terrier	EDTA blood, swabs, blood stain cards	SNP assay
Lafora epilepsy	EDTA blood, swabs, blood stain cards	Size-specific DNA fragment analysis in agarose gel
Lagotto storage disease LSD	EDTA blood, swabs, blood stain cards	SNP assay
Laryngeal paralysis LP miniature bull terrier	EDTA blood, swabs, blood stain cards	Sequencing
Late onset ataxia LOA Russell terrier	EDTA blood, swabs, blood stain cards	SNP assay
Lavender foal syndrome	EDTA blood, swabs, blood stain cards	SNP assay
Leopard horse	EDTA blood, swabs, blood stain cards	SNP assay
Lethal acrodermatitis LAD bull terrier	EDTA blood, swabs, blood stain cards	SNP assay

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Analyte (measurand)	Test material (matrix)	Testing technique
Leukodystrophy schnauzer	EDTA blood, swabs, blood stain cards	Sequencing
Leucoencephalopathy LEMP	EDTA blood, swabs, blood stain cards	SNP assay
Leucoencephalopathy LEP schnauzer	EDTA blood, swabs, blood stain cards	Sequencing
Leukocyte adhesion deficiency LAD III German shepherd	EDTA blood, swabs, blood stain cards	Sequencing
Cleft lip/palate and syndactyly CLPS Nova Scotia duck tolling retriever	EDTA blood, swabs, blood stain cards	SNP assay
LPN1 Leonberger	EDTA blood, swabs, blood stain cards	Fragment length analysis
LPN2 Leonberger	EDTA blood, swabs, blood stain cards	Sequencing
Lundehund syndrome	EDTA blood, swabs, blood stain cards	Sequencing
Macrothrombocytopenia cairn terrier	EDTA blood, swabs, blood stain cards	Sequencing
Macrothrombocytopenia Cavalier King Charles spaniel	EDTA blood, swabs, blood stain cards	Sequencing
Malignant hyperthermia dog	EDTA blood, swabs, blood stain cards	SNP assay
Mannosidosis cat	EDTA blood, swabs, blood stain cards	Sequencing
May-Hegglin anomaly	EDTA blood, swabs, blood stain cards	Sequencing
Microphthalmia RBP4 Irish soft-coated wheaten terrier	EDTA blood, swabs, blood stain cards	Sequencing
Mucopolysaccharidosis type IIIB (MPSIIIB) Schipperke	EDTA blood, swabs, blood stain cards	Sequencing
Mucopolysaccharidosis (MPSIIIA) dachshund	EDTA blood, swabs, blood stain cards	Sequencing
Mucopolysaccharidosis (MPSIIIA) New Zealand	EDTA blood, swabs, blood stain cards	Sequencing
Mucopolysaccharidosis MPSVI cat	EDTA blood, swabs, blood stain cards	Sequencing
Mucopolysaccharidosis MPSVII Brazilian terrier	EDTA blood, swabs, blood stain cards	Sequencing
Mucopolysaccharidosis MPSVII German shepherd	EDTA blood, swabs, blood stain cards	Sequencing
Mucopolysaccharidosis MPSVII cat	EDTA blood, swabs, blood stain cards	Sequencing
Persistent Müllerian duct syndrome PMDS	EDTA blood, swabs, blood stain cards	Sequencing
Muscular dystrophy Cavalier King Charles spaniel	EDTA blood, swabs, blood stain cards	Sequencing
Muscular dystrophy GRMD golden retriever	EDTA blood, swabs, blood stain cards	Sequencing
Muscular dystrophy Landseer LSMD	EDTA blood, swabs, blood stain cards	SNP assay
Muscular dystrophy Norfolk terrier	EDTA blood, swabs, blood stain cards	Sequencing

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Analyte (measurand)	Test material (matrix)	Testing technique
Musladin-Lueke syndrome MLS beagle	EDTA blood, swabs, blood stain cards	SNP assay
Mycobacterium avium complex sensitivity MAC miniature schnauzer	EDTA blood, swabs, blood stain cards	SNP assay
Myostatin mutation whippet	EDTA blood, swabs, blood stain cards	Sequencing
Myotonia congenita Australian cattle dog	EDTA blood, swabs, blood stain cards	Sequencing
Myotonia congenita Labrador	EDTA blood, swabs, blood stain cards	Sequencing
Myotonia congenita miniature schnauzer	EDTA blood, swabs, blood stain cards	SNP assay
Myotonia cat	EDTA blood, swabs, blood stain cards	Sequencing
Myotonia pony	EDTA blood, swabs, blood stain cards	SNP assay
Naked foal syndrome	EDTA blood, swabs, blood stain cards	Sequencing
Narcolepsy dachshund	EDTA blood, swabs, blood stain cards	Sequencing
Narcolepsy Doberman	EDTA blood, swabs, blood stain cards	Sequencing
Narcolepsy Labrador	EDTA blood, swabs, blood stain cards	SNP assay
NECAP1-PRA giant schnauzer	EDTA blood, swabs, blood stain cards	Sequencing
Necrotizing meningoencephalitis NME pug	EDTA blood, swabs, blood stain cards	Sequencing
Nemaline myopathy (American bulldog)	EDTA blood, swabs, blood stain cards	Sequencing
Neonatal cerebellar abiotrophy NCCD beagle	EDTA blood, swabs, blood stain cards	SNP assay
Neonatal cerebellar abiotrophy NCCD beagle Hungarian Vizsla	EDTA blood, swabs, blood stain cards	SNP assay
Neonatal encephalopathy NEWS royal poodle	EDTA blood, swabs, blood stain cards	SNP assay
Neural tube defect Weimaraner	EDTA blood, swabs, blood stain cards	Sequencing
Neuroaxonal dystrophy NAD papillon	EDTA blood, swabs, blood stain cards	SNP assay
Neuroaxonal dystrophy NAD Spanish water dog	EDTA blood, swabs, blood stain cards	SNP assay
Neuronal ceroid lipofuscinosis NCL border collie	EDTA blood, swabs, blood stain cards	SNP assay
Neuronal ceroid lipofuscinosis NCL American bulldog	EDTA blood, swabs, blood stain cards	SNP assay
Neuronal ceroid lipofuscinosis NCL Chinese Crested	EDTA blood, swabs, blood stain cards	Sequencing

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Analyte (measurand)	Test material (matrix)	Testing technique
Neuronal ceroid lipofuscinosis NCL dachshund	EDTA blood, swabs, blood stain cards	Sequencing
Neuronal ceroid lipofuscinosis NCL Australian cattle dog	EDTA blood, swabs, blood stain cards	Sequencing
Neuronal ceroid lipofuscinosis NCL Australian shepherd	EDTA blood, swabs, blood stain cards	SNP assay
Neuronal ceroid lipofuscinosis NCL English setter	EDTA blood, swabs, blood stain cards	SNP assay
Neuronal ceroid lipofuscinosis NCL golden retriever	EDTA blood, swabs, blood stain cards	Sequencing
Neuronal ceroid lipofuscinosis NCL Saluki	EDTA blood, swabs, blood stain cards	Sequencing
Neuronal ceroid lipofuscinosis NCL Tibetan terrier	EDTA blood, swabs, blood stain cards	SNP assay
Neuropathy Alaskan malamute	EDTA blood, swabs, blood stain cards	SNP assay
Renal dysplasia and hepatic fibrosis RDHN	EDTA blood, swabs, blood stain cards	Sequencing
Renal cystadenocarcinoma	EDTA blood, swabs, blood stain cards	SNP assay
Upper airway syndrome UAS Norwich terrier	EDTA blood, swabs, blood stain cards	Sequencing
Ocular squamous cell carcinoma (SCC) Haflinger	EDTA blood, swabs, blood stain cards	Sequencing
Osteochondrodysplasia Scottish Fold	EDTA blood, swabs, blood stain cards	Sequencing
Panda white spotting German shepherd	EDTA blood, swabs, blood stain cards	Sequencing
Paroxysmal dyskinesia Irish soft-coated wheaten terrier	EDTA blood, swabs, blood stain cards	Sequencing
PARR dog	EDTA blood, swabs, blood stain cards	Fragment length analysis
PARR cat	EDTA blood, swabs, blood stain cards	Fragment length analysis
pd-PRA cat	EDTA blood, swabs, blood stain cards	SNP assay
Phosphofructokinase deficiency PFKD English springer spaniel	EDTA blood, swabs, blood stain cards	Sequencing
Phosphofructokinase deficiency PFKD spaniel	EDTA blood, swabs, blood stain cards	Sequencing
POAG PLL Shar Pei	EDTA blood, swabs, blood stain cards	SNP assay
Polycystic kidney disease PKD cat	EDTA blood, swabs, blood stain cards	SNP assay

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Analyte (measurand)	Test material (matrix)	Testing technique
Polysaccharide storage myopathy PSSM type 1 horse	EDTA blood, swabs, blood stain cards	SNP assay
Polycystic kidney disease PKD bull terrier	EDTA blood, swabs, blood stain cards	Sequencing
Postoperative haemorrhage P2Y12R	EDTA blood, swabs, blood stain cards	Sequencing
PRA basenji	EDTA blood, swabs, blood stain cards	SNP assay
PRA papillon	EDTA blood, swabs, blood stain cards	SNP assay
PRA Schapendoes	EDTA blood, swabs, blood stain cards	Sequencing
Prekallikrein deficiency	EDTA blood, swabs, blood stain cards	Sequencing
Primary ciliary dyskinesia PCD Alaskan malamute	EDTA blood, swabs, blood stain cards	Sequencing
Primary ciliary dyskinesia PCD Old English sheepdog	EDTA blood, swabs, blood stain cards	SNP assay
Primary hyperoxaluria Coton de Tulear	EDTA blood, swabs, blood stain cards	Sequencing
Primary lens luxation PLL	EDTA blood, swabs, blood stain cards	SNP assay
Primary congenital glaucoma Siamese	EDTA blood, swabs, blood stain cards cats	Sequencing
Primary open-angle glaucoma POAG basset Fauve de Bretagne	EDTA blood, swabs, blood stain cards	Sequencing
Primary open-angle glaucoma POAG basset hound	EDTA blood, swabs, blood stain cards	Sequencing
Primary open-angle glaucoma POAG beagle	EDTA blood, swabs, blood stain cards	Sequencing
Primary open-angle glaucoma POAG elkhound	EDTA blood, swabs, blood stain cards	Sequencing
Protein-losing nephropathy PLN	EDTA blood, swabs, blood stain cards	SNP assay
Pyruvate dehydrogenase phosphatase 1 deficiency PDP1	EDTA blood, swabs, blood stain cards	Sequencing
Pyruvate kinase deficiency PK West Highland white terrier	EDTA blood, swabs, blood stain cards	Sequencing
Pyruvate kinase deficiency PK basenji	EDTA blood, swabs, blood stain cards	Sequencing
Pyruvate kinase deficiency PK beagle	EDTA blood, swabs, blood stain cards	SNP assay
Pyruvate kinase deficiency PK cat	EDTA blood, swabs, blood stain cards	SNP assay
Pyruvate kinase deficiency PK pug Labrador	EDTA blood, swabs, blood stain cards	Sequencing
Raine syndrome border collie	EDTA blood, swabs, blood stain cards	SNP assay
Black colouring agouti horse	EDTA blood, swabs, blood stain cards	Fragment length analysis

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Analyte (measurand)	Test material (matrix)	Testing technique
Race allocation dog	EDTA blood, swabs, blood stain cards	Fragment length analysis
rcd2 PRA	EDTA blood, swabs, blood stain cards	Fragment length analysis
rcd3-PRA English bull mastiff	EDTA blood, swabs, blood stain cards	Sequencing
rcd3-PRA Irish setter	EDTA blood, swabs, blood stain cards	Sequencing
rcd3-PRA Sloughi	EDTA blood, swabs, blood stain cards	Sequencing
rcd3-PRA Welsh Corgi	EDTA blood, swabs, blood stain cards	Sequencing
rcd4 PRA	EDTA blood, swabs, blood stain cards	Sequencing
RCD-PRA NPHP4 wire-haired dachshund	EDTA blood, swabs, blood stain cards	Size-specific DNA fragment analysis in agarose gel
rdAc-PRA cat	EDTA blood, swabs, blood stain cards	SNP assay
rdy-PRA cat	EDTA blood, swabs, blood stain cards	Sequencing
Retinal dysplasia OSD Northern Inuit	EDTA blood, swabs, blood stain cards	Sequencing
Russet Burmese	EDTA blood, swabs, blood stain cards	Sequencing
Sabino horse	EDTA blood, swabs, blood stain cards	Sequencing
Saddle tan	EDTA blood, swabs, blood stain cards	Sequencing
SCA Alpine Dachsbracke	EDTA blood, swabs, blood stain cards	Sequencing
Severe combined immunodeficiency SCID Jack Russell terrier	EDTA blood, swabs, blood stain cards	Sequencing
Severe combined immunodeficiency SCID	EDTA blood, swabs, blood stain cards	Fragment length analysis
Severe combined immunodeficiency SCID Frisian water dog	EDTA blood, swabs, blood stain cards	Sequencing
Sensory neuropathy SN border collie	EDTA blood, swabs, blood stain cards	Fragment length analysis
Shar Pei autoinflammatory disease	EDTA blood, swabs, blood stain cards	SNP assay
Siamese cat	EDTA blood, swabs, blood stain cards	Sequencing
Silver horse	EDTA blood, swabs, blood stain cards	Sequencing
S-locus dog	EDTA blood, swabs, blood stain cards	Fragment length analysis
Spinal muscular atrophy SMA Maine Coon	EDTA blood, swabs, blood stain cards	Fragment length analysis
Spinocerebellar ataxia SCA Russell terrier	EDTA blood, swabs, blood stain cards	SNP assay
Splashed white	EDTA blood, swabs, blood stain cards	Sequencing and fragment length analysis
Spongy degeneration with cerebellar ataxia SDCA1	EDTA blood, swabs, blood stain cards	SNP assay
Spongy degeneration with cerebellar ataxia SDCA2	EDTA blood, swabs, blood stain cards	Fragment length analysis
Stargardt disease Labrador	EDTA blood, swabs, blood stain cards	Sequencing
Startle disease Spanish greyhound	EDTA blood, swabs, blood stain cards	Sequencing
Startle disease Irish wolfhound	EDTA blood, swabs, blood stain cards	Size-specific DNA fragment analysis in agarose gel

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Analyte (measurand)	Test material (matrix)	Testing technique
Stumpy tail dog	EDTA blood, swabs, blood stain cards	Sequencing
Subacute necrotizing encephalopathy SNE	EDTA blood, swabs, blood stain cards	Sequencing
Thrombopathy basset	EDTA blood, swabs, blood stain cards	Sequencing
Thrombopathy Landseer	EDTA blood, swabs, blood stain cards	SNP assay
Animal species differentiation	Material containing DNA	Sequencing
Tobiano horse	EDTA blood, swabs, blood stain cards	Fragment length analysis
Lethal white overo defect LWO horse	EDTA blood, swabs, blood stain cards	SNP assay
Trapped neutrophil syndrome TNS border collie	EDTA blood, swabs, blood stain cards	SNP assay
Type B1 PRA miniature schnauzer	EDTA blood, swabs, blood stain cards	SNP assay
Van den Ende-Gupta syndrome VDEGS fox terrier	EDTA blood, swabs, blood stain cards	SNP assay
Vitamin D-dependent rickets Pomeranian	EDTA blood, swabs, blood stain cards	Sequencing
von Willebrand disease vWD type 1	EDTA blood, swabs, blood stain cards	SNP assay
von Willebrand disease vWD type 3 Kooiker	EDTA blood, swabs, blood stain cards	Sequencing
von Willebrand disease vWD type 3 Scotch terrier	EDTA blood, swabs, blood stain cards	SNP assay
von Willebrand disease vWD type II German wirehaired pointer	EDTA blood, swabs, blood stain cards	SNP assay
von Willebrand disease vWD type 3 Sheltie	EDTA blood, swabs, blood stain cards	SNP assay
Warmblood fragile foal syndrome WFFS horse	EDTA blood, swabs, blood stain cards	SNP assay
X-linked severe combined immunodeficiency XSCID Welsh corgi	EDTA blood, swabs, blood stain cards	Sequencing
X-linked severe combined immunodeficiency XSCID basset	EDTA blood, swabs, blood stain cards	Sequencing
X-linked myopathy XL-MTM Labrador	EDTA blood, swabs, blood stain cards	Sequencing
X-linked myopathy XL-MTM Rottweiler	EDTA blood, swabs, blood stain cards	Sequencing
XL-PRA husky Samoyed	EDTA blood, swabs, blood stain cards	Sequencing
Dwarfism German shepherd	EDTA blood, swabs, blood stain cards	Fragment length analysis
Dwarfism Frisian	EDTA blood, swabs, blood stain cards	Sequencing
Dwarfism Labrador	EDTA blood, swabs, blood stain cards	SNP assay

Testing field: Pathology

Type of test: Dissection*

Analyte (measurand)	Test material (matrix)	Testing technique
Macroscopic changes	Animal bodies, all animal species	Macroscopic examination, dissection

Type of test: Microscopy **

Analyte (measurand)	Test material (matrix)	Testing technique
Histological tissue change	Histological tissue section	Microscopic assessment
Cytological cell changes	Cytological smear, specimen	Microscopic assessment

Type of test: Histology (classic staining techniques) **

Analyte (measurand)	Test material (matrix)	Testing technique
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Haematoxylin and eosin staining (HE)
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Giemsa staining
Presentation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	PAS staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Ziehl-Neelsen staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Grocott staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Alkaline Congo red staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Azan staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Sudan black staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Masson's trichrome staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Stableforth staining

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Analyte (measurand)	Test material (matrix)	Testing technique
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Blue-cresyl violet staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Bleaching
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Berlin blue staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Warthin-Starry staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Copper determination
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	von Kossa staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Picrosirius red staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Methyl green-pyronin
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Mucicarmine staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Luxol fast blue staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Toluidine staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Fouchet staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Amylase PAS staining
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Bleaching with 30% H ₂ O ₂
Representation of tissue and cell structures and foreign structures contained therein	Histological tissue sections	Gram staining histology

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Analyte (measurand)	Test material (matrix)	Testing technique
Representation of tissue and cell structures and foreign structures contained therein	Faecal and cytological smears	Ziehl-Neelsen staining for faeces and smear cytology
Representation of cell structures and foreign structures contained therein	Cytological smears	Pappenheim staining
Presentation of cell structures and foreign structures contained therein	Cytological smears	Carbol fuchsin staining
Presentation of cell structures and foreign structures contained therein	Cytological smears	PAS staining
Representation of cell structures and foreign structures contained therein	Cytological smears	Copper determination
Representation of cell structures and foreign structures contained therein	Cytological smears	Berlin blue staining
Representation of cell structures and foreign structures contained therein	Cytological smears	Gram staining cytology
Representation of cell structures and foreign structures contained therein	Cytological smears	Haema quick staining cytology

Test area: pharmaceuticals and active ingredient microbiology

Testing field: Biological pharmaceuticals, active ingredient and excipient analysis

Type of test: Microbiological examination of non-sterile products

Standard / issue date in-house method / version	Name of the standard or the in-house method (state deviations from/modifications to the standard method, if any)	Test object
SOP T 02 R 012/09.2019	Autogenous vaccines	Vaccines

Test area: Efficacy testing of disinfectants

Type of test: Efficacy testing of disinfectants*

Standard / issue date in-house method / version	Name of the standard or the in-house method (state deviations from/modifications to the standard method, if any)	Test object
DIN EN 1040:2005 edition 2006-03	Quantitative suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics - Test method and requirements (phase 1)	Disinfectant
DIN EN 1275:2005 edition 2006-03	Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics - Test method and requirements (phase 1)	Disinfectant
DIN EN 14347:2005 edition 2005-08	Quantitative suspension test for the evaluation of basic sporicidal activity - Test method and requirements (phase 1)	Disinfectant
DIN EN 1276:2019 edition 2019-11	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)	Disinfectant
DIN EN 1650:2019 edition 2019-10	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)	Disinfectant
DIN EN 1656:2019 edition 2019-12	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 1)	Disinfectant
DIN EN 1657:2016 edition 2016-11	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 1)	Disinfectant

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Standard / issue date in-house method / version	Name of the standard or the in-house method (state deviations from/modifications to the standard method, if any)	Test object
DIN EN 14204:2012 edition 2013-02	Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 1)	Disinfectant
DIN EN 13704:2018 edition 2018-09	Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)	Disinfectant
DIN EN 13624:2013 edition 2013-12	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area - Test method and requirements (phase 2, step 1) <i>(no conformity assessment of medical devices)</i>	Disinfectant
DIN EN 13727:2012+A2:2015 edition 2015-12	Quantitative suspension test for the evaluation of bactericidal activity in the medical area - Test method and requirements (phase 2, step 1) <i>(no conformity assessment of medical devices)</i>	Disinfectant
DIN EN 17126:2018 edition 2019-02	Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants in the medical area - Test method and requirements (phase 2, step 1) <i>(no conformity assessment of medical devices)</i>	Disinfectant
DIN EN 13697:2019 edition 2019-10	Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements without mechanical action (phase 2, step 2)	Disinfectant
DIN EN 14349:2013 edition 2013-02	Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action - Test method and requirements (phase 2, step 2)	Disinfectant

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Standard / issue date in-house method / version	Name of the standard or the in-house method (state deviations from/modifications to the standard method, if any)	Test object
DIN EN 16437:2014+A1:2019 edition 2019-12	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area on porous surfaces without mechanical action - Test method and requirements (phase 2, step 2)	Disinfectant
DIN EN 16438:2014 edition 2014-07	Quantitative surface test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action - Test method and requirements (phase 2, step 2)	Disinfectant
DIN EN 14675:2015 edition 2015-06	Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (Phase 2, step 1)	Disinfectant
DIN EN 17122:2019 edition 2019-02	Quantitative non-porous surface test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 2)	Disinfectant
DIN CEN/TR 17296; DIN SPEC 13268:2019-12	Differentiation of active and non-active substances	Disinfectant
German Veterinary Medical Society (DVG) - Test guidelines 2017-11 Chapter IV	Evaluation of the minimal inhibitory concentration of chemical disinfectants and selection of appropriate neutralisation agents in order to test the disinfection procedures and chemical disinfectants in the areas of animal husbandry, veterinary clinics and animal shelters and food, including meat production and food of animal origin (except for milk), dairy and commercial kitchens	Disinfectant

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Standard / issue date in-house method / version	Name of the standard or the in-house method (state deviations from/modifications to the standard method, if any)	Test object
DVG - Test guidelines 2017-11 Chapter V, VI, VII, VIII, IX	Semi-quantitative suspension test for the evaluation of bactericidal, yeasticidal, fungicidal, tuberculocidal activity and inactivation kinetics with high protein concentrations in order to test the disinfection procedures and chemical disinfectants in the areas of animal husbandry, veterinary clinics and animal shelters and food, including meat production and food of animal origin (except for milk), dairy and commercial kitchens	Disinfectant
DVG - Test guidelines 2017-11 Chapter V, VI, VII, VIII, IX	Testing the toxic effect of disinfectants on the relevant virus detection system cytotoxicity in order to test the disinfection procedures and chemical disinfectants in the areas of animal husbandry, veterinary clinics and animal shelters and food, including meat production and food of animal origin (except for milk), dairy and commercial kitchens	Disinfectant
DVG - Test guidelines 2017-11 Chapter V	Evaluation of the bactericidal activity in practically relevant germ carrier tests in order to determine the listing for preventive disinfection in the test of the disinfection procedures and chemical disinfectants in the areas of animal husbandry	Disinfectant
DVG - Test guidelines 2017-11 Chapter V	Evaluation of the bactericidal, yeasticidal, fungicidal, tuberculocidal and virucidal activity in practically relevant germ carrier tests in order to determine the listing for specific disinfection in the test of the disinfection procedures and chemical disinfectants in the areas of animal husbandry	Disinfectant
DVG - Test guidelines 2017-11 Chapter V	Evaluation of the virucidal activity in a suspension test with and without protein concentration in the test of the disinfection procedures and chemical disinfectants in the areas of animal husbandry	Disinfectant

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Standard / issue date in-house method / version	Name of the standard or the in-house method (state deviations from/modifications to the standard method, if any)	Test object
DVG - Test guidelines 2017-11 Chapter V	Evaluation of the virucidal activity on poplar wood carriers in practically relevant germ carrier tests in order to test the disinfection procedures and chemical disinfectants in the areas of animal husbandry	Disinfectant
DVG - Test guidelines 2017-11 Chapter VI	Evaluation of the bactericidal, yeasticidal, fungicidal and virucidal activity in practically relevant germ carrier tests in order to determine the listing for spray disinfection (without mechanical action) in the test of the disinfection procedures and chemical disinfectants in the areas of veterinary clinics and animal shelters	Disinfectant
DVG - Test guidelines 2017-11 Chapter VII, VIII, IX	Evaluation of the bactericidal, yeasticidal, fungicidal and virucidal activity in practically relevant germ carrier tests in order to test the disinfection procedures and chemical disinfectants in the areas of food, including meat production and food of animal origin (except for milk), dairy and commercial kitchens	Disinfectant
Methods for the Association for Applied Hygiene (VAH) certification of chemical disinfection procedures Method 7	Evaluation of bacteriostatic and yeaststatic activity and appropriate neutralisation agents <i>(no conformity assessment of medical devices)</i>	Disinfectant
Methods for VAH certification of chemical disinfection procedures Method 8 15.03.2019	Evaluation of bactericidal and yeasticidal activity in a qualitative suspension test <i>(no conformity assessment of medical devices)</i>	Disinfectant
Methods for VAH certification of chemical disinfection procedures Method 9 15.03.2019	Evaluation of bactericidal, yeasticidal, fungicidal, tuberculocidal and mycobactericidal activity in a quantitative suspension test <i>(no conformity assessment of medical devices)</i>	Disinfectant

Standard / issue date in-house method / version	Name of the standard or the in-house method (state deviations from/modifications to the standard method, if any)	Test object
Methods for the Association for Applied Hygiene (VAH) certification of chemical disinfection procedures Method 14.1 15.03.2019	Surface disinfection without mechanical action - practically relevant test Evaluation of bactericidal, yeasticidal, fungicidal, tuberculocidal and mycobactericidal activity non-porous surfaces without mechanical action (no conformity assessment of medical devices)	Disinfectant

Site: Berlin

Test area: Veterinary medicine

Testing field: Clinical chemistry

Type of test: Flow cytometry *

Analyte (measurand)	Test material (matrix)	Testing technique
Basophil granulocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Eosinophil granulocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Erythrocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Haematocrit	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Haemoglobin	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Leucocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining

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Analyte (measurand)	Test material (matrix)	Testing technique
Lymphocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Mean corpuscular haemoglobin (MCH)	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Mean corpuscular haemoglobin concentration(MCHC)	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Mean corpuscular volume (MCV)	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Monocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Neutrophil granulocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining
Thrombocytes	EDTA blood, lithium heparin blood (dogs, cats, horses, rodents, ruminants, reptiles, birds, elephants, ferrets, donkeys, camels, monkeys)	Combined with with fluorescence staining or with peroxidase staining

Type of test: Electrochemical analysis *

Analyte (measurand)	Test material (matrix)	Testing technique
Potassium	Serum, plasma, urine (all animal species)	Potentiometry (ion-selective electrode)
Sodium	Serum, plasma, urine (all animal species)	Potentiometry (ion-selective electrode)

Type of test: Coagulometry *

Analyte (measurand)	Test material (matrix)	Testing technique
Quick test	Citrate plasma (dogs, cats, horses)	Coagulometry
Partial thromboplastin time (PTT)	Citrate plasma (dogs, cats, horses)	Coagulometry
Thrombin time	Citrate plasma (dogs, cats, horses)	Coagulometry

Type of test: Ligand assays *

Analyte (measurand)	Test material (matrix)	Testing technique
Cortisol	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Progesterone	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Troponin I	Serum, plasma (dogs, cats, horses)	Chemiluminescence
Thyroxine (T4)	Serum, plasma (dogs, cats, horses, rabbits, guinea pigs)	Chemiluminescence

Type of test: Microscopy **

Analyte (measurand)	Test material (matrix)	Testing technique
Basophil granulocytes	EDTA blood, lithium heparin blood	Bright-field microscopy
Eosinophil granulocytes	EDTA blood, lithium heparin blood	Bright-field microscopy
Urinary sediment	Urine	Bright-field microscopy
Monocytes	EDTA blood, lithium heparin blood	Bright-field microscopy
Segmented neutrophils	EDTA blood, lithium heparin blood	Bright-field microscopy
Banded neutrophils	EDTA blood, lithium heparin blood	Bright-field microscopy

Type of test: Photometry *

Analyte (measurand)	Test material (matrix)	Testing technique
α -Amylase	Serum, plasma (all animal species)	Photometry
Albumin	Serum, plasma (all animal species)	Photometry
Alkaline phosphatase	Serum, plasma (all animal species)	Photometry
α -Hydroxybutyrate dehydrogenase	Serum, plasma (all animal species)	Photometry
Alanine aminotransferase	Serum, plasma (all animal species)	Photometry
Aspartate aminotransferase	Serum, plasma (all animal species)	Photometry
Bilirubin (total)	Serum, plasma (all animal species)	Photometry
Calcium	Serum, plasma, urine (all animal species)	Photometry
Cholinesterase	Serum, plasma (all animal species)	Photometry
Creatine kinase	Serum, plasma (all animal species)	Photometry
Cystatin C	Serum, plasma (all animal species)	Photometry
Protein	Serum, plasma, urine, punctate (all animal species)	Photometry
Iron	Serum, plasma (all animal species)	Photometry
Fructosamine	Serum, plasma (all animal species)	Photometry
Glucose	Serum, plasma, sodium fluoride, urine, punctate (all animal species)	Photometry
Glutamate dehydrogenase	Serum, plasma (all animal species)	Photometry
Glutamyltransferase	Serum, plasma (all animal species)	Photometry
Uric acid	Serum, plasma (all animal species)	Photometry
Urea	Serum, plasma, urine (all animal species)	Photometry
Creatinine	Serum, plasma, urine (all animal species)	Photometry
Copper	Serum, plasma (all animal species)	Photometry
Lactate dehydrogenase	Serum, plasma (all animal species)	Photometry
Lipase	Serum, plasma (all animal species)	Photometry
Magnesium	Serum, plasma, urine (all animal species)	Photometry

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Analyte (measurand)	Test material (matrix)	Testing technique
Phosphate (inorganic)	Serum, plasma, urine (all animal species)	Photometry
Triglycerides	Serum, plasma, urine (all animal species)	Photometry

Type of test: Refractometry *

Analyte (measurand)	Test material (matrix)	Testing technique
Density	Urine, punctate (dogs, cats, horses)	Refractometry

Type of test: Carrier-bound test method *

Analyte (measurand)	Test material (matrix)	Testing technique
Urinary status	Urine (dogs, cats, horses, rodents, ruminants)	Dry chemistry (photometric assessment)

Testing field: Virology

Type of test: Ligand assays *

Analyte (measurand)	Test material (matrix)	Testing technique
Parvovirus	Faeces (dogs, cats)	FAST test
Feline immunodeficiency virus (FIV)	Serum, plasma (cats)	Enzyme immunoassay
Feline leukemia virus (FeLV)	Serum, plasma (cats)	Enzyme immunoassay

DIN	German Institute for Standardization
DVG	German Veterinary Medical Society
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
SOP	Standard Operating Procedure
VAH	Association for Applied Hygiene