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veterinary
...diagnostics



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Introduction

Demeditec Diagnostics GmbH is a privately owned company based in northern Germany. We develop, manufacture, and globally distribute ELISA kits for veterinary diagnostics and animal research, covering livestock, companion animals, and laboratory animal models.

Our portfolio combines reliable performance with ease of use, helping laboratories and researchers generate meaningful results with confidence.

Benefit from:

- Easy and reliable tests based on ELISA technology
- Wide range of parameters and animal species covered
- Solutions for veterinary and academic applications
- Consistent quality and dedicated customer support

The following pages provide an overview of our veterinary and animal research ELISA portfolio.





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Endocrinology

Precise hormone measurements are fundamental for studying endocrine function, metabolism, reproduction, and stress physiology in animal models. Mice and rats are among the most widely used species in biomedical research and can provide valuable insights into human and veterinary health. Reliable determination of steroid hormones and other biomarkers helps researchers characterize physiological responses, understand disease mechanisms, and evaluate the effects of novel therapeutic approaches.



New

TSH mouse ELISA (DEV8822)

The newly developed Demeditec TSH mouse kit is a solid phase ELISA in the microtiter plate format, designed for the quantitative measurement of TSH in mouse serum and EDTA plasma. Mouse models are widely accepted and indispensable for studying thyroid stimulating hormone (TSH) regulation within the hypothalamic-pituitary-thyroid axis, owing to the

high conservation of TSH signaling and feedback mechanisms between mice and humans. Genetic and disease oriented mouse models have been essential for elucidating both fundamental TSH physiology and TSH driven disorders.

Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
NEW	Adiponectin mouse							
	ELISA mouse	DEBV1000	96	2 h 40 min	0.25 – 8 ng/ml	0.079 ng/ml	100 µl	serum
	Corticosterone rat/mouse							
	ELISA rat, mouse	DEV9922	96	2 h 30 min	15 – 2,250 ng/ml	6.1 ng/ml	10 µl	serum, plasma
	Estradiol rat							
	ELISA rat	DEV9999	96	3 h 30 min	5 – 1,280 pg/ml	2.5 pg/ml	75 µl	serum
	Progesterone rat/mouse							
	ELISA rat, mouse	DEV9988	96	1 h 30 min	0.4 – 100 ng/ml	0.156 ng/ml	10 µl	serum, plasma
	Testosterone rat/mouse							
	ELISA rat, mouse	DEV9911	96	1 h 30 min	0.1 – 25 ng/ml	0.024 ng/ml	10 µl	serum, plasma
NEW	TSH mouse							
	ELISA mouse	DEV8822	96	18 – 24 h	0.625 – 10 ng/ml	—	10 µl	serum, plasma
	TSH rat							
	ELISA rat	DEV9977	96	18 – 24 h	0.59 – 15 ng/ml	—	10 µl	serum, plasma

Diabetes

Metabolic diseases remain a major focus of biomedical research, with mouse and rat models providing essential insights into disease development and therapeutic interventions. Quantification of

biomarkers such as leptin and GLP-1 helps scientists assess key mechanisms involved in energy balance and glucose regulation.

Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
NEW	GLP-1 inactive form							
	ELISA human, mouse, rat	JP27788	96	2 h 30 min	1.25 – 80 pmol/l	0.36 pmol/l	100 µl	plasma, ccs
	GLP-1, active form							
	ELISA human, mouse, rat	JP27784	96	2 h 30 min	1.25 – 80 pmol/l	0.1 pmol/l	100 µl	plasma
	Leptin mouse/rat							
	ELISA mouse, rat	DEBV1007	96	2 h 40 min	100 – 4,000 pg/ml	30 pg/ml (mouse); 50 pg/ml (rat)	100 µl	serum, plasma
	Leptin rat							
	ELISA rat	JP27295	96	2 h	56.25 – 3,600 pg/ml	10.8 pg/ml	100 µl	serum, plasma, ccs

Rat / Mouse

Growth factors

Growth factors are important mediators of cellular signaling involved in metabolic regulation, growth, and vascular development. The ELISA assays presented here allow the measurement of FGF-21, IGF-I, and VEGF in mouse and rat samples, facilitating a wide range of biomedical research applications.



Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
FGF-21 mouse/rat								
ELISA	mouse, rat	DEBV1006	96	2 h 40 min	40 – 2,560 pg/ml	18.4 pg/ml	100 µl	serum
IGF-I mouse/rat								
ELISA	mouse, rat	DEE025	96	2 h	0.5 – 18 ng/ml	0.315 ng/ml	50 µl	serum, plasma
VEGF rat								
ELISA	rat	JP27101	96	2 h	31.25 – 2,000 pg/ml	5.44 pg/ml	100 µl	plasma, ccs

Immunology

Rat models are frequently used to investigate inflammatory and immune-related processes. The ELISA kits in this category include key biomarkers involved in cytokine signaling and immune regulation.

Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
Interleukin-1β rat								
ELISA	rat	JP27193	96	1 d 1 h	11.7 – 750 pg/ml	1.67 pg/ml	100 µl	serum, plasma, ccs
MCP-1 rat								
ELISA	rat	JP17176	96	2 h	50 – 3,200 pg/ml	40 pg/ml	100 µl	serum, urine, ccs
Osteopontin rat								
ELISA	rat	JP27360	96	2 h	0.07 – 4.75 ng/ml	0.01 ng/ml	100 µl	plasma, urine, ccs
TNF-α rat								
ELISA	rat	JP27194	96	21 h	56 – 3,600 pg/ml	10 pg/ml	100 µl	ccs

Specialities

This section includes specialized biomarkers for diverse areas of biomedical research. The ELISA kits provide reliable measurement of selected analytes in mouse and rat samples, supporting a wide range of preclinical studies.

Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
Clusterin rat								
ELISA	rat	DEBV1002	96	2 h 40 min	2 – 128 ng/ml	0.7 ng/ml	100 µl	serum, urine
Cystatin C mouse								
ELISA	mouse	DEBV1003	96	2 h 40 min	0.156 – 10 ng/ml	0.04 ng/ml	100 µl	serum
Cystatin C rat								
ELISA	rat	DEBV1004	96	2 h 40 min	0.78 – 25 ng/ml	0.009 ng/ml	100 µl	serum, plasma, urine
N-ERC/Mesothelin rat								
ELISA	rat	JP27765	96	2 h	0.08 – 5 ng/ml	10 pg/ml	100 µl	serum, plasma, ccs



Equine

Accurate hormone measurement supports reproductive management and pregnancy assessment in mares. The ELISA assays presented here provide valuable tools for equine veterinary diagnostics.



Highlight

Estrone-3-Sulfate equine ELISA (DEV9933)

Estrone-3-Sulfate (E3S) is the predominant conjugated estrogen during pregnancy. It is produced by the fetus, possibly in association with the endometrium in the pregnant mare. Different hormones are important for the complex events that occur during pregnancy in all mammals. It has been shown that

estrone is rapidly conjugated after secretion and the ratio between conjugated and unconjugated estrogens is 100:1 in mare serum. The determination of estrone-3-sulfate is an aid in the diagnosis which allows monitoring of the feto-placental unit during pregnancy.

Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
Estrone-3-Sulfate equine								
ELISA	equine	DEV9933	96	2 h	5 – 500 ng/ml	0.36 ng/ml	20 µl	serum
PMSG								
ELISA	equine	DE1298	96	2 h 30 min	25 – 800 mIU/ml	—	50 µl	serum

Feline

This category includes assays for the detection of important feline infectious diseases and related biomarkers.



Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
Clusterin canine/feline								
ELISA	canine, feline	DEBV1001	96	2 h 40 min	1 – 40 ng/ml	0.2 ng/ml	100 µl	serum, plasma, urine
Feline Corona Virus (FCoV/FIP)								
ELISA	feline	DEFIPVT0870	96	1 h 45 min	Cut-off	—	100 µl	serum
Feline Immunodeficiency Virus (FIV)								
ELISA	feline	DEFIVVT0750	96	1 h 45 min	Cut-off	—	100 µl	serum
Feline Leukemia Virus (FeLV) Antigen								
ELISA	feline	DEFELVT4800	96	1 h 45 min	Cut-off	—	100 µl	serum
Haptoglobin canine & feline								
ELISA	canine, feline	DE1033	96	1 h 45 min	125 – 2,000 ng/ml	22.9 ng/ml	20 µl	serum
Toxoplasma IgM vet								
ELISA	feline	DETOXVM0460	96	1 h 45 min	Cut-off	—	100 µl	serum
Toxoplasma vet								
ELISA	canine, feline	DETOXVT0460	96	1 h 45 min	50 – 200 U/ml	—	100 µl	serum

NEW

Canine

Companion animal health requires assays for the detection of infectious diseases and the assessment of important physiological markers. The products in this section support the measurement of pathogen-specific antibodies and antigens, as well as biomarkers related to inflammation and thyroid function, providing valuable information for veterinary diagnostic and research applications.

Highlight

TSH canine ELISA (DEV9955)

Hypothyroidism is considered to be a common endocrine disorder in dogs, whereas hyperthyroidism in this species is nearly unknown. Dogs mostly suffer from primary hypothyroidism, involving impaired production of the thyroid hormones, T4 and T3. In this condition, elevated TSH levels are expected. Suppressed thyroid hormone levels are nonspecific indicators of the disease, since they are often ob-

served in nonthyroid illnesses. The evaluation of thyroid function and the diagnosis of hypothyroidism in dogs can be greatly improved through the use of the Demeditec TSH canine ELISA for the determination of canine TSH.



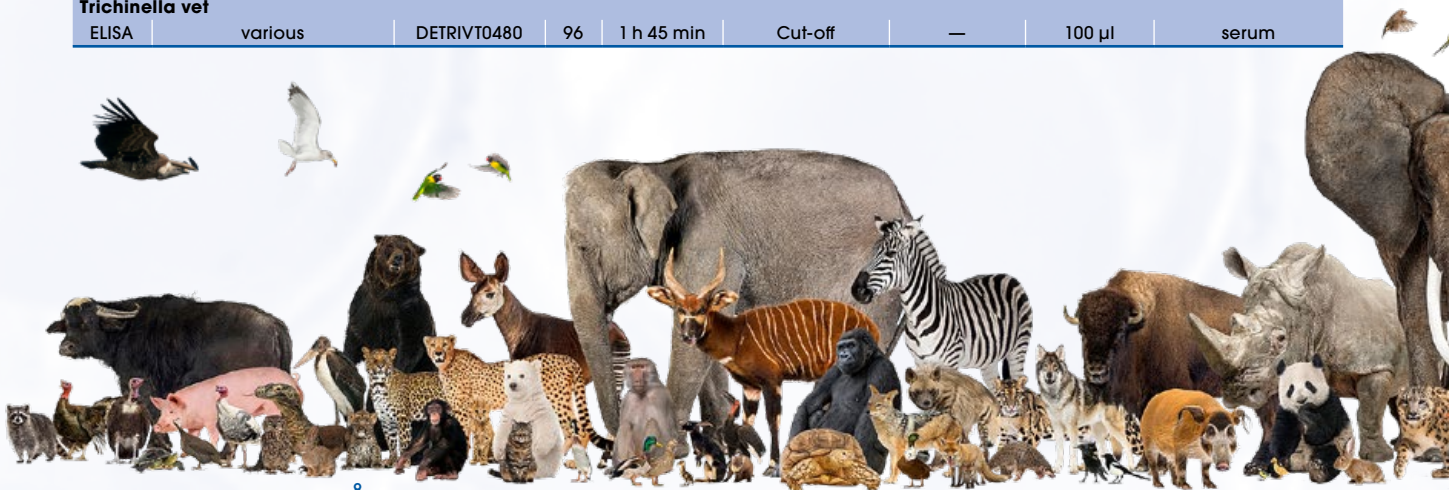
Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
Anaplasma vet								
ELISA	canine, other mammals	DEANAVT0850	96	1 h 45 min	Cut-off	—	100 µl	serum
Babesia vet								
ELISA	canine, other mammals	DEBABVT0890	96	1 h 45 min	Cut-off	—	100 µl	serum
Borrelia vet								
ELISA	canine, other mammals	DEBORVT0040	96	1 h 45 min	Cut-off	—	100 µl	serum
Brucella vet								
ELISA	bovine, porcine, canine	DEBRUVT0050	96	1 h 45 min	Cut-off	—	100 µl	serum, milk
Canine Distemper Virus (CDV)								
ELISA	canine, other mammals	DEMEAVT0330	96	1 h 45 min	Cut-off	—	100 µl	serum
Canine Parvovirus (CPV)								
ELISA	canine, other mammals	DEPARVT0370	96	1 h 45 min	Cut-off	—	100 µl	serum
NEW Clusterin canine/feline								
ELISA	canine, feline	DEBV1001	96	2 h 40 min	1 – 40 ng/ml	0.2 ng/ml	100 µl	serum, plasma, urine
CRP canine								
ELISA	canine	DE1024	96	1 h 50 min	48 – 500 ng/ml	29.8 ng/ml	20 µl	serum, plasma, cc
NEW Cystatin C canine								
ELISA	canine	DEBV1005	96	2 h 15 min	0.31 – 10 ng/ml	0.005 ng/ml	100 µl	serum, urine
Dirofilaria Antigen vet								
ELISA	canine, various	DEDIRVT4760	96	1 h 45 min	Cut-off	—	100 µl	serum
Ehrlichia vet								
ELISA	canine, other mammals	DEEHRVT0930	96	1 h 45 min	Cut-off	—	100 µl	serum
Haptoglobin canine & feline								
ELISA	canine, feline	DE1033	96	1 h 45 min	125 – 2,000 ng/ml	22.9 ng/ml	20 µl	serum
Leishmania vet								
ELISA	canine, other mammals	DE0310	96	1 h 45 min	Cut-off	—	100 µl	serum
Leptospira vet								
ELISA	canine, other mammals	DELEPVT0660	96	1 h 45 min	Cut-off	—	100 µl	serum
Toxoplasma vet								
ELISA	canine, feline	DETOXVT0460	96	1 h 45 min	50 – 200 U/ml	—	100 µl	serum
TSH canine								
ELISA	canine	DEV9955	96	2 h 30 min	0.2 – 5.2 ng/ml	0.049 ng/ml	100 µl	serum, plasma
NEW Uromodulin canine								
ELISA	canine	DEBV1008	96	2 h 50 min	0.16 – 10 ng/ml	10 pg/ml	100 µl	serum, urine

Various Species

Measuring cortisol levels is also relevant for research and veterinary applications. For example, cortisol levels in **fish** are measured for scientific purposes. Across multiple independent studies, DEH3388 Cortisol ELISA has been successfully applied under diverse experimental conditions, including temperature stress, feeding regimes, stocking density, and physiological adaptations. The primary species studied is the Atlantic salmon, but goldfish, Atlantic cod, and zebrafish are also included.



Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
Brucella vet								
ELISA	bovine, porcine, canine	DEBRUVT0050	96	1 h 45 min	Cut-off	—	100 µl	serum, milk
Cortisol								
ELISA	human, all animals	DEH3388	96	1 h 30 min	10 – 800 ng/ml	0.38 ng/ml	10 µl	serum, plasma
Cortisol free in Saliva								
ELISA	human, all mammals	DES6611R	96	1 h 30 min	0.1 – 30 ng/ml	0.04 ng/ml	50 µl	saliva
Coxiella Phase 1 vet								
ELISA	various	DECOX1VT0600	96	1 h 45 min	Cut-off	—	100 µl	serum, milk
Coxiella Phase 2 vet								
ELISA	various	DECOX2VT0600	96	1 h 45 min	Cut-off	—	100 µl	serum, milk
Coxiella vet								
ELISA	bovine, other mammals	DECOXVT0600	96	1 h 45 min	Cut-off	—	100 µl	serum
Echinococcus vet								
ELISA	various	DEECHVT0130	96	1 h 45 min	Cut-off	—	100 µl	serum
Estradiol sensitive								
ELISA	human, all animals	DE4399	96	2 h 30 min	10 – 400 pg/ml	5.583 pg/ml	50 µl	serum, plasma
Giardia Antigen vet								
ELISA	various	DEGIAVT4160	96	1 h 45 min	Cut-off	—	100 µl	feces
Leptospira IgM vet								
ELISA	various	DELEPVM0660	96	1 h 45 min	Cut-off	—	100 µl	serum
Pasteurella multocida Toxin Antibody vet								
ELISA	porcine, various	DEPASVT0960	96	1 h 45 min	Cut-off	—	100 µl	serum
Progesterone camel								
ELISA	camel	DEV8833	96	2 h	0.25 – 20 ng/ml	0.13 ng/ml	10 µl	serum, plasma
Riemerella vet								
ELISA	turkey, other avian species	DERIEMVT0880	96	1 h 45 min	Cut-off	—	100 µl	serum
TBE/FSME IgM vet								
ELISA	various	DETICVM0440	96	1 h 45 min	Cut-off	—	100 µl	serum
TBE/FSME vet								
ELISA	various	DETICVT0440	96	1 h 45 min	50 – 300 U/ml	—	100 µl	serum
Toxocara vet								
ELISA	various	DETOCVT0450	96	1 h 45 min	Cut-off	—	100 µl	serum
Trichinella vet								
ELISA	various	DETRIVT0480	96	1 h 45 min	Cut-off	—	100 µl	serum



Various Species

New

Gastrointestinal veterinary ELISAs for the detection of major enteric pathogens and toxins in fecal samples.

Method	Applicable Species	Cat.-No.	Tests	Incubation time	Standard range	Sensitivity	Final sample volume	Sample type
Adenovirus								
ELISA	various	DESEE017	96	1 h 10 min	Cut-off	96.5 %	50 µl	feces
Astrovirus								
ELISA	various	DESEE045	96	1 h 10 min	Cut-off	96.1 %	50 µl	feces
Campylobacter								
ELISA	various	DESEE093	96	1 h 40 min	Cut-off	99.3 %	100 µl	feces
Clostridium difficile GDH								
ELISA	various	DESEE107	96	1 h 10 min	Cut-off	96.1 %	100 µl	feces
Clostridium difficile Toxin A+B								
ELISA	various	DESEE040	96	2 h 15 min	Cut-off	98.1 %	100 µl	feces
Cryptosporidium parvum								
ELISA	various	DESEE039	96	1 h 40 min	Cut-off	96.9 %	100 µl	feces
Entamoeba histolytica								
ELISA	various	DESEE018	96	1 h 40 min	Cut-off	87.5 %	100 µl	feces
Helicobacter pylori								
ELISA	various	DESEE114	96	1 h 40 min	Cut-off	< 31.3 ng/mL	100 µl	feces
Norovirus								
ELISA	various	DESEE061	96	1 h 40 min	Cut-off	94.9 %	100 µl	feces
Rotavirus								
ELISA	various	DESEE020	96	1 h 40 min	Cut-off	98.4 %	50 µl	feces
Verotoxin 1+2								
ELISA	various	DESEE030	96	2 h 15 min	Cut-off	84.6 %	100 µl	feces



Controls

Rat Control

Cat. No. DEV99RC



Rat control sera suitable for internal control quality of the following ELISAs:

■ Testosterone rat/mouse	DEV9911
■ Corticosterone rat/mouse	DEV9922
■ TSH rat	DEV9977
■ Progesterone rat/mouse	DEV9988
■ Estradiol rat	DEV9999

Components	Content
Rat Control 1/2: Two levels of Testosterone, Cortisosterone, TSH, Progesterone and Estradiol in rat serum.	1 Set 2 vials à 1 ml

Mouse Control

Cat. No. DEV88MC



Mouse control suitable for internal quality control of the following ELISA:

■ TSH mouse	DEV8822
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Components	Content
Mouse Control 1/2: Two levels of TSH in serum.	1 Set 2 vials à 1 ml

Canine Control

Cat. No. DEV99CC



Canine control sera suitable for internal control quality of the following ELISAs:

■ TSH canine	DEV9955
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Components	Content
Canine Control 1/2: Two levels of canine TSH in serum.	1 Set 2 vials à 1 ml

Estrone-3-Sulfate equine control

Cat. No. DEV9933C



suitable for internal control quality of the following ELISA:

■ Estrone-3-Sulfate equine ELISA	DEV9933
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Components	Content
Estrone-3-Sulfate equine control 1/2: Two levels of Estrone-3-sulfate in equine serum.	1 Set 2 vials à 1 ml

Camel Control

Cat. No. DEV88CC

Camel control suitable for internal control quality of the following ELISA:

■ Progesterone camel	DEV8833
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Components	Content
Camel Control 1/2: Two levels of camel Progesterone in serum	1 Set 2 vials à 500 µl



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Brucella vet	7 + 8
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Canine Distemper Virus (CDV)	7
Canine Parvovirus (CPV)	7
Clostridium difficile GDH	9
Clostridium difficile Toxin A+B	9
Clusterin canine/feline	6 + 7
Clusterin rat	5
Corticosterone rat/mouse	4
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Coxiella Phase 2 vet	8
Coxiella vet	8
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TBE/FSME vet	8
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List of abbreviations

Abbreviation	Explanation
cc	cell culture
ccs	cell culture supernatant

Who we are!



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