

Application for different Species

Application of IBL products in veterinary medicine	Cat.-No.	Method	rat	mouse	guinea pig	rabbit	rhesus	pig	sheep	goat	cow	horse	dog	cat	other species
ACTH	SG51041	ELISA		yes											
ACTH	ED11041	RIA	yes	yes				yes							
Adiponectin, mouse	RE45031	ELISA		yes											
Adrenaline (d)	RE29315	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
Adrenaline (d)	RE59141	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
Amyloid-beta (1-40)	JP17713	ELISA	yes	yes											
Amyloid-beta (1-40) (N)	JP17714	ELISA	no	no											
Amyloid-beta (1-42)	JP17711	ELISA	yes	yes											
Amyloid-beta (1-42) (N)	JP17712	ELISA	no	no											
Androstenedione (a)	RE52161	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Angiotensin I	SO19011	RIA													
Angiotensin II	ED29051	RIA	yes												
C5a	RE59292	ELISA	no				yes								
Calcitonin Gene Related Peptide	CM59011	ELISA	yes												
Calcitonin, human	RE13031	RIA	no	no	no	no	no	no	no	no	no	no	no	no	no salmon
cAMP	RE11021	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
cAMP	CM59221	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
CatCombi	RE59242	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
CBG	MG13061	RIA	no	no	no	no	no	no	no	no	no	no	no	no	
cGMP	RE29071	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
cGMP	CM59181	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Cholecystokinin	MI11031	RIA	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	not chinchilla
Corticosterone, rat	UK45011	ELISA	yes	yes											
Corticosterone, rat	RS49011	RIA	yes	yes											
Cortisol (a)	RE52061	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Cortisol saliva	RE62011	LIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
COX activity	CM89011	colorimetr	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
C-Peptide, human	RE53011	ELISA	no	no	no	no	no	no	no	no	no	no	no	no	
CrossLaps serum	OD51021	ELISA					yes	yes			yes	yes	yes		
CrossLaps urine	OD51031	ELISA					yes	yes			yes	yes	yes		
CRP, human	EU59131	ELISA	no	no			no				no	no	no		
Deoxy pyridinoline	UK11011	RIA	yes												
Desoxycortisol, 11- (a)	RS19021	RIA													
DHEA (a)	RE52221	ELISA											yes		
DHEA-S (a)	RE52181	ELISA					yes								
Dopamin (d)	RE29345	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
Endorphin, β-	MI11021	RIA													
Endothelin	CM59231	ELISA													
Endothelin-1	JP17165	ELISA	yes	yes				yes					yes		
Endothelin-1 (Big), rat	JP17167	ELISA	yes												
Endothelin-1 big (human)	JP17168	ELISA						yes							

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Endothelin-3	JP17169	ELISA	yes	yes											
Equine Influenza A IgG	RE45511	ELISA										yes			equine specific
Erythropoetin	RE56011	ELISA	no												
E-Selectin, monkey	BE45721	ELISA					yes								
Estradiol, 17 β - (b)	RE52041	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Estradiol, 17 β - (b)	MG12101	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Estriole, unconjugated (b)	BM52011	ELISA													
Estrone (b)	DB52051	ELISA													
Ferritin	RE59111	ELISA			no	no	no	no	no	no	no	no	no	no	
Folate/Vitamin B ₁₂	BD19101	RIA											yes	yes	
Gastrin	MI13101	RIA	yes												
Glucagon	MI13021	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Glutathion red.(GSH-400)	CM89111	colorimetr	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Glutathion-Peroxidase	CM89031	colorimetr	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
GM-CSF, mouse	BE45231	ELISA		yes											
GRO/CINC-1 rat (IL-8)	JP17162	ELISA	yes												
GRO/CINC-2 α	JP17170	ELISA	yes												
GRO/CINC-2 β	JP17166	ELISA	yes												
GRO/CINC-3	JP17163	ELISA	yes												
Growth Hormone, rat	CM49031	ELISA	yes	yes											
Growth Hormone, human	MG59121	ELISA		yes							no				
Histamine	RE59221	ELISA	yes	yes								yes	yes	yes	
ICAM-1 monkey	BE45711	ELISA					yes								
IGF-1	UK58011	ELISA	no	no			yes	yes			yes				most mammals
IGFBP-1	MX52021	ELISA	no	no	no	no	no	no	no	no	no	no	no	no	
IGFBP-3	MG59131	ELISA	no	no	no	no	no	no	no	no	no	no	no	no	
IGFBP-3	MG11191	RIA	no	no	no	no	no	no	no	no	no	no	no	no	
Inhibin	MG59021	ELISA	yes					yes	yes		yes				
Insulin sensitive, rat	RE43023	ELISA	yes												
Insulin, human	MG59011	ELISA	no					yes			yes		yes		
Insulin, human	MG13021	RIA	no					yes			yes		yes		
Insulin, rat	CM49011	ELISA	yes												
Interferone- γ , mouse	BE45201	ELISA		yes											
Interferone- γ , pig	BE45801	ELISA						yes							
Interferone- γ , rat	MG45202	ELISA	yes												
Interferone- γ , rhesus	MG45652	ELISA					yes								
Interleukin 10, monkey	BE45601	ELISA					yes								
Interleukin 10, mouse	MG45102	ELISA		yes											
Interleukin 10, pig	MG45802	ELISA						yes							
Interleukin 10, rat	MG45402	ELISA	yes												
Interleukin 12 (p40+p70), monkey	BE45611	ELISA					yes								

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Interleukin 12 (p70), monkey	BE45621	ELISA					yes								
Interleukin 12 (p70), mouse	MG45122	ELISA		yes											
Interleukin 12, mouse	BE45121	ELISA		yes											
Interleukin 12, rat	MG45312	ELISA	yes												
Interleukin 12, rhesus	MG45612	ELISA					yes								
Interleukin 13, rat	MG45432	ELISA	yes												
Interleukin 1 α (rIL-1 α) rat	MG45292	ELISA	yes												
Interleukin 1 α mouse	BE45001	ELISA		yes											
Interleukin 1 α , rat	MG45292	ELISA	yes												
Interleukin 1 β , monkey	BE45511	ELISA					yes								
Interleukin 1 β , mouse	MG45012	ELISA		yes											
Interleukin 1 β , pig	MG45712	ELISA						yes							
Interleukin 1 β , rat	JP17193	ELISA	yes												
Interleukin 1ra, rat	MG45282	ELISA	yes												
Interleukin 2, monkey	BE45521	ELISA					yes								
Interleukin 2, mouse	BE45021	ELISA		yes											
Interleukin 2, pig	MG45722	ELISA						yes							
Interleukin 2, rat	MG45322	ELISA	yes												
Interleukin 3, mouse	MG45032	ELISA		yes											
Interleukin 4, mouse	BE45041	ELISA		yes											
Interleukin 4, pig	MG45742	ELISA						yes							
Interleukin 4, rat	MG45342	ELISA	yes												
Interleukin 4, rhesus	MG45642	ELISA					yes								
Interleukin 5, mouse	BE45051	ELISA		yes											
Interleukin 6, monkey	BE45561	ELISA					yes								
Interleukin 6, mouse	BE45061	ELISA		yes											
Interleukin 6, pig	RE45061	ELISA						yes							
Interleukin 6, rat	JP17196	ELISA	yes												
Interleukin 8, monkey	BE45581	ELISA					yes								
Interleukin 8, mouse (mKC)	JP17137	ELISA		yes											
Interleukin 8, pig	MG45782	ELISA						yes							
Interleukin 8, rat (GRO/CINC-1)	JP17162	ELISA	yes												
KatCombi	RE29291	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
Leptin, mouse	JP17160	ELISA		yes				no							chicken no
Leptin, rat	JP17295	ELISA	yes												
Leukotriene B4	CM51011	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Leukotriene C4	CM51021	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Leukotriene C4/D4/E4	CM51045	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Leukotriene E4	CM51031	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
LPO	CM89021	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
MCP-1, mouse	MG45172	ELISA		yes											

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MCP-1, rat	JP17176	ELISA	yes												
Melatonin	RE54021	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Melatonin	RE29301	RIA	yes									yes			
Melatonin Sulfate	RE54031	ELISA	yes												European Hamster
Metanephrine	RE59181	ELISA	yes												
MIP-2, mouse	JP17138	ELISA		yes											
MSH, α -	MI11011	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Neopterin	RE59321	ELISA	yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	
Neuropeptide Y	ED29181	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Nitrat/Nitrit	CM89102	colorimetr	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Noradrenaline (d)	RE59151	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
Noradrenaline (d)	RE29325	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
Normetanephrine	RE59171	ELISA	yes												
Osteocalcin	MG11071	RIA	no	no	no	no	no	no	no	no	no	no	no	no	
Osteocalcin	MG59071	ELISA	no	no	no	no	no	no	no	no	no	no	no	no	
Osteopontin, mouse	JP17351	ELISA		yes											
Osteopontin, rat	JP17360	ELISA	yes												
Parathormone, intact, human	RE11041	RIA	no	no	no	no	no	no	no	no	no	no	no	no	
Parathormone, intact, human	MG59041	ELISA	no	no	no	no	no	no	no	no	no	no	no	no	
Parathormone, intact, rat	UK41041	RIA	yes												
PECAM-1, monkey	BE45751	ELISA					yes								
Progesterone (a)	RE52231	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Progesterone (a)	MG12171	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Progesterone saliva	RE62021	LIA	yes		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Progesterone, 17-OH- (a)	RE52071	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Progesterone, 17-OH- (a)	MG12181	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Proinsulin	RE53031	ELISA	no	no	no	no	no	no	no	no	no	no	no	no	
Prolactin, rat	CM45011	ELISA	yes	no											
Prostaglandin D2-MOX	CM59041	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Prostaglandin E2, monoclonal	CM59031	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Prostaglandin F2 α	CM59061	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Prostaglandin, 11 β -, F2 α	CM59131	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Prostaglandin, 6-Keto, F1 α	CM59071	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
P-Selectin, monkey	BE45741	ELISA					yes								
RANTES, rat	MG45242	ELISA	yes												
sCD14	RE59271	ELISA	no	no	no	no	no	no	no	no	no	no	no	no	
Serotonin	RE59121	ELISA										yes	yes	yes	fish hypothalamic tissue
Serum Amyloid A, mouse	MG45182	ELISA	no	yes											
Somatomedin-C	UK58011	ELISA	no	no			yes	yes			yes				most mammals
Somatostatin	MI11051	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Substance P	CM59211	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals

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Substance P	MI11061	RIA	yes	yes									yes		
Superoxid-Dismutase	CM89131	colorimetr	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Testosterone (a)	RE52151	ELISA	yes	(yes)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	mouse only after extraction
Testosterone (a)	MG12191	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Testosterone saliva	RE62031	LIA	yes		yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	
Testosterone, Dihydro- (b)	DB52021	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Testosterone, free (a)	RE52171	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
TGF- β 1	RE51201	ELISA	yes	no		yes		yes			yes				
TGF- β 2	RE51251	ELISA	yes	no		yes		yes			yes				
Thromboxane B2	CM59081	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Thromboxane B2, 11-Dehydro-	CM59111	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Thromboxane B2, 2,3-Dinor-	CM59161	ELISA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
TNF- α , monkey	BE45691	ELISA					yes								
TNF- α , mouse	BE45291	ELISA		yes											
TNF- α , pig	MG45812	ELISA						yes							
TNF- α , rat	JP17194	ELISA	yes												
TNF- β mouse	MG45192	ELISA		yes											
TNF-R, monkey	BE45701	ELISA					yes								
TriCat	RE29395	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not for poultry
Vasoactive Intestinal Peptide	MI12021	RIA	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	all mammals
Vasopressin	ED11051	RIA	yes	yes				no					yes		
VE-Cadherin, monkey	BE45761	ELISA					yes								

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(a) = extraction recommended (method see below)															
(b) = extraction necessary (method see below)															
(d) = applicable to all mammals due to the extraction step as described in the instructions for use															
<p>Method 1: Extraction Procedure for the Assessment of 17 b-Estradiol (and Other Steroid Hormones) in Serum Samples of Animals</p> <p>Principle: For the assessment of low hormone concentrations in serum samples of animals, the steroid hormones are extracted with Diethylether, the extract is evaporated to dryness, and the remaining substance is reconstituted with zero standard in 1/5 of the volume of the applied animal serum.</p> <p>Sample: 500 µl animal serum or plasma</p> <p>Reagents:</p> <ol style="list-style-type: none"> 1. Diethylether (e.g. of Merck) 2. Zero Standard (= steroid free serum) 3. Controls (e.g. Lyphochek Immunoassay Plus, BioRad) <p>Instrumentation/Tubes:</p> <ol style="list-style-type: none"> 1. Glass tubes, at least 3 ml volume, with ether resistant (Teflon-)stoppers 2. Glass tubes without stoppers 3. 500 µl Pipettes 4. 2 ml Multipettes (or glass pipettes) for pipetting ether 5. Over the top rotator (often used in hematology) 6. Centrifuge for the glass tubes of 1. 7. Freezer 8. Nitrogen evaporator 9. Vortexer <p>Procedure:</p>															

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<p>1. Pipet 500 µl sample or control and 2 ml Diethylether in glass tubes with stoppers and put the stoppers on the tubes immediately.</p> <p>2. Put the tubes on the over the top rotator for 15 minutes.</p> <p>3. Centrifuge tubes for 5 minutes at about 2000 rpm.</p> <p>4. Put the glass tubes upright into the freezer (inferior aqueous serum phase should freeze).</p> <p>5. Decant the superior liquid ether phase entirely into a second glass tube without a stopper (Take care that the ether does not drip at the outer surface of the tube!).</p> <p>6. Evaporate the liquid in the nitrogen evaporator, totally.</p> <p>7. Reconstitute the remaining substance with 100 µl zero standard and vortex tube thoroughly.</p> <p>8. Apply this extract to the test. The result divided by 5 will be the final hormone level in the animal sample.</p>															
<p>Method 2: Extraction Procedure for the Assessment of 17 b-Estradiol in Low Volumes of Animal Serum</p> <p>Principle: For the assessment of low estradiol concentrations in serum samples of animals the steroid hormones are extracted with Diethylether, the extract is evaporated to dryness and the remaining substance is reconstituted with fetal calf serum in 1/2 of the volume of the applied animal serum.</p> <p>Sample: 200 µl animal serum or plasma</p> <p>Reagents:</p> <ol style="list-style-type: none"> 1. Diethylether (e.g. of Merck) 2. Fetal Calf Serum (e.g. of Biochrom) 3. Controls (e.g. Lyphochek Immunoassay Plus, BioRad) 															

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<p>Instrumentation/Tubes:</p> <ol style="list-style-type: none"> 1. Glass tubes, at least 1.5 ml volume, with ether resistant (Teflon-)stoppers 2. Glass tubes without stoppers 3. 200 µl Pipettes 4. 1 ml Multipettes (or glass pipettes) for pipetting ether 5. Over the top rotator (often used in hematology) 6. Centrifuge for glass tubes of 1. 7. Freezer 8. Nitrogen evaporator 9. Vortexer <p>Procedure:</p> <ol style="list-style-type: none"> 1. Pipet 200 µl sample or control and 1 ml Diethylether in glass tubes with stoppers and put the stoppers on the tubes immediately. 2. Put the tubes in the over the top rotator for 15 minutes. 3. Centrifuge tubes for 5 minutes at about 2000 rpm. 4. Put the glass tubes upright into the freezer (inferior aqueous serum phase should be freeze). 5. Decant the superior liquid ether phase entirely into a second glass tube without a stopper (Take care that the ether does not drip at the outer surface of the tube!). 6. Evaporate the liquid in the nitrogen evaporator, totally. 7. Reconstitute the remaining substance with 100 µl fetal calf serum and vortex tube thoroughly. 8. Evaluate the estradiol concentration of the fetal calf serum (= fcs) only and of the extracts of the animal samples and controls. 9. Calculate the estradiol concentration of the sample or control by the following formula: Estradiol concentration of the sample/control = (Estradiol result sample/control – estradiol result fcs) : 2 																