



## Analysis of hormone & anabolic residues in food

Hormones and anabolics can be used as growth promoters in livestock breeding to enhance average daily weight gain and meat/fat ratio. As a consequence, hormone and anabolic residues can occur in food of animal origin.

Due to their systemic function, hormonal residues in food bear a potential health risk for the consumer.

Additionally, the entry of hormonally active substances into surface and ground water can have an ecological impact on aquatic ecosystems.

Consequently, most countries have banned the use of hormones and anabolics in livestock breeding completely with exceptions for veterinary purposes.

### RIDASCREEN®/EuroProxima

- ELISAs for the most commonly used hormones and anabolics
- Quantitative Screening
- Applications for many matrices
- Evaluation with RIDASOFT® Win.NET (RIDASCREEN®) respectively dedicated software (EuroProxima)



## Hormones & anabolics

Product	Description	No. of tests/amount	Art. No.
<b>β-Agonists</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN® β-Agonists	Enzyme immunoassay for quantitative analysis of β-agonists in urine (150 ng/L), serum (900 ng/L), meat (100 ng/kg), liver (130 ng/kg), milk (45 ng/L), feed (1000 ng/kg)	96 determinations Incubation time: 1 hr	R1704
RIDASCREEN® Clenbuterol	Enzyme immunoassay for quantitative analysis of clenbuterol in milk (50 ng/L), meat (100 ng/kg), liver (150 ng/kg), kidney (200 ng/kg), urine (100 ng/L), plasma/serum (250 ng/L), hair (2 µg/kg), eye ball (200 ng/kg), feed (600 µg/kg)	96 determinations Incubation time: 45 min	R1711
RIDA® Sample decolorant	Reagents for the sample preparation of liver and feed for RIDASCREEN® Clenbuterol (Art. No. R1711)	1 Set (600 samples)	R1699
RIDA® β-Agonists & Clenbuterol Spiking Solution	100 ng/ml	1 ml	R1799
Clenbuterol Assay Control (positive)	Freeze-dried calves urine positive for clenbuterol	1 x 5 ml	R1707
Clenbuterol Assay Control (negative)	Freeze-dried calves urine negative for clenbuterol	1 x 2 ml	R1708
RIDASCREEN® Zilpaterol	Enzyme Immunoassay for quantitative analysis of Zilpaterol in urine, meat, milk, serum/plasma, liver and kidney	96 determinations Incubation time: 1 hr	R1721
RIDA® Zilpaterol Spiking Solution	100 ng/ml	1 ml	R1796
RIDASCREEN® Ractopamin	Enzyme immunoassay for quantitative analysis of ractopamine in urine (600 ng/L), meat (200 ng/kg), liver (300 ng/kg), *	96 determinations Incubation time: 1 hr 30 min	R9901
RIDA® Ractopamin Spiking Solution	10 ng/ml	1 ml	R9999
<b>Stilbenes</b>			
<b>ELISA microtiter plates</b>			
EuroProxima Diethylstilbestrol (DES)	Enzyme immunoassay for quantitative analysis of DES in tissue (0.2 µg/kg) and urine (0.2 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5081DES
<b>Sex hormones</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN® 17β-Östradiol	Enzyme immunoassay for quantitative analysis of 17 β-estradiol in bovine plasma (20 ng/L), *	96 determinations Incubation time: 2 hrs 30 min	R2301
RIDA® 17β-Östradiol Spiking Solution	200 ng/ml	1 ml	R2399
RIDASCREEN® Testosteron	Enzyme immunoassay for quantitative analysis of testosterone in bovine plasma (20 ng/L), *	96 determinations Incubation time: 2 hrs 30 min	R2401
RIDA® Testosteron Spiking Solution	500 ng/ml	1 ml	R2499
<b>Gestagens</b>			
<b>ELISA microtiter plates</b>			
RIDASCREEN® Acetylgestagene	Enzyme immunoassay for quantitative analysis of medroxyprogesterone acetate in bovine perirenal fat (300 ng/kg)	96 determinations Incubation time: 2 hrs 30 min	R1801
RIDA® Acetylgestagene Spiking Solution	100 ng/ml medroxyprogesterone acetate	1 ml	R1899
RIDASCREEN® Melengestrolacetat	Enzyme immunoassay for quantitative analysis of melengestrolacetate in bovine renal fat (300 ng/kg), meat (75 ng/kg)	96 determinations Incubation time: 2 hrs 30 min	R6502
RIDA® Melengestrolacetat Spiking Solution	100 ng/ml	1 ml	R6599

\* Further applications on request.



## Hormones & anabolics

Product	Description	No. of tests/amount	Art. No.
<b>Anabolic steroids</b>			
<b>ELISA microtiter plates</b>			
EuroProxima Trenbolone	Enzyme immunoassay for quantitative analysis of trenbolone in urine, meat and liver	96 determinations Incubation time: 1 hr 30 min	5081TRENBO
Trenbolone Assay Control (negative)	Freeze-dried calves urine negative for trenbolone	1 x 5 ml	R2608
RIDASCREEN® Methyltestosteron	Enzyme immunoassay for quantitative analysis of methyltestosterone in porcine urine (540 ng/L), bovine urine (750 ng/L), beef (450 ng/kg), pork (390 ng/kg), fish (430 ng/kg), porcine liver (180 ng/kg), bovine liver (720 ng/kg)	96 determinations Incubation time: 2 hrs 15 min	R3611
RIDA® Methyltestosteron Spiking Solution	100 ng/ml	1 ml	R3699
RIDASCREEN® 19-Nortestosteron	Enzyme immunoassay for quantitative analysis of 19-nortestosterone in urine (3 µg/L), *	96 determinations Incubation time: 1 hr 15 min	R2801
RIDA® 19-Nortestosteron Spiking Solution	1 µg/mL	1 ml	R2899
RIDASCREEN® Ethinylöstradiol	Enzyme immunoassay for quantitative analysis of ethinylestradiol in bovine/porcine urine (370 ng/L), beef (230 ng/kg), pork (200 ng/kg), bovine plasma (50 ng/L)	96 determinations Incubation time: 2 hrs 30 min	R2511
RIDA® Ethinylöstradiol Spiking Solution	20 ng/ml	1 ml	R2599
EuroProxima Progesterone	Enzyme immunoassay for quantitative analysis of Progesterone in milk (1 µg/kg) and serum (1 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5081PROG
EuroProxima Stanozolol	Enzyme immunoassay for quantitative analysis of Stanozolol in urine (1 µg/kg) and faeces (1 µg/kg)	96 determinations Incubation time: 45 min	5081STAN
<b>Corticosteroide</b>			
<b>ELISA microtiter plates</b>			
EuroProxima Corticosteroid	Enzyme immunoassay for quantitative analysis of Corticosteroids in milk (0.2 µg/kg), urine (3 µg/kg), muscle (0.2 µg/kg) and liver (1 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5081COR
EuroProxima Triamcinolone	Enzyme immunoassay for quantitative analysis of Triamcinolone in urine (0.1 µg/kg)	96 determinations Incubation time: 45 min	5081TRIA
<b>Non-steroidal compounds</b>			
<b>ELISA microtiter plates</b>			
EuroProxima Zeranol	Enzyme immunoassay for quantitative analysis of zeranol in urine and meat	96 determinations Incubation time: 1 hr 30 min	5081ZERAN
<b>Accessories</b>			
<b>Solid phase columns</b>			
RIDA® C18 columns	Solid phase extraction columns for use in conjunction with RIDASCREEN® ELISAs	100 columns	R2002



\* Further applications on request.



## Hormones & anabolics

Test system	Matrices								
	Meat	Milk	Serum/plasma	Urine	Liver	Perirenal fat	Faeces	Feed	Additional matrices
RIDASCREEN® 17β-Östradiol	•	•	•	•					
RIDASCREEN® 19-Nortestosteron	•			•					
RIDASCREEN® Acetylgestagene		•				•		•	Syrup
RIDASCREEN® β-Agonists	•	•	•	•	•			•	
RIDASCREEN® Clenbuterol	•	•	•	•	•	•		•	Hair, eye
EuroProxima Corticosteroid	•	•		•	•			•	
EuroProxima Diethylstilbestrol	•			•					
RIDASCREEN® Ethinylöstradiol	•		•	•					
RIDASCREEN® Melengestrolacetat	•					•			
RIDASCREEN® Methyltestosteron	•				•				Fish
EuroProxima Progesterone		•	•						
RIDASCREEN® Ractopamin	•			•	•			•	
RIDASCREEN® Testosteron	•		•	•					
EuroProxima Trenbolon	•			•	•				
EuroProxima Triamcinolone				•					
EuroProxima Stanozolol				•			•		
EuroProxima Zeranol	•			•					
RIDASCREEN® Zilpaterol	•	•	•	•	•			•	