



EuroProxima

β-AGONIST FAST SENSITIVE ELISA (5061BAFS)

General

The β-agonist Fast Sensitive ELISA is the system of choice for screening for a broad range of β-agonists in biological matrices. This new kit combines the advantages of short incubation times and an improved sensitivity. The adapted clean-up procedures guarantee a high recovery for the various β-agonists also in the most complicated matrices (panel RIVM, the Netherlands).

Kit characteristics

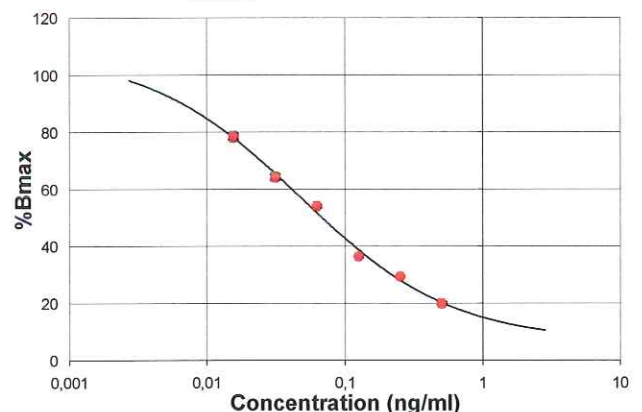
- Microtiter plate:**
 12 x 8 break 4 wells
- Antibody cross-reactivity:**

Salbutamol	100%	Tulobuterol	50%
Clenbuterol	100%	Clenpenterol	50%
Bromobuterol	100%	Clenproperol	50%
Cimbuterol	75%	Carbuterol	50%
Mapenterol	70%	Terbutaline	40%
Mabuterol	60%	Cimaterol	10%
- Conjugate:**
 Clenbuterol-HRP stabilized
- Standard range salbutamol (ready-to-use):**
 0, 0.0156, 0.0313, 0.0625, 0.125, 0.25, 0.5 ng/ml
 Stock standard, 100 ng/ml
- Sample preparation:**
 For urine samples the LOD of 0.05 after solid phase extraction is obtained in a batch of urines taken direct from the bladder. In a select panel of complicated, high background urines, obtained from RIVM the Netherlands the LOD was 0.156 ng/ml.

Assay procedure

Sample/standard and conjugate are pipetted into the antibody pre-coated wells and incubated for 30 minutes at RT (20°C - 25°C). After a washing procedure ready to use substrate is added and incubated for 30 minutes at RT. Stop the reaction and read in a spectrophotometer at 450 nm. A calculation program is available upon request.

Calibration Curve



Assay characteristics

	Urine Direct	Urine SPE-extraction	Liver SPE-extraction	Tissue SPE-extraction	Feed dilution	Feed SPE-extraction	Serum Direct	Serum SPE-extraction
LOD	0.2	0.05	0.05	0.05	5	1	0.2	0.05

Tested for Clenbuterol and Salbutamol

LOD (Limit of Detection); Validation according SANCO/1085/2000.