B-AGONIST EIA (5061BAG1p)

General

This competitive enzyme immunoassay is based on a mixture of two antibodies, directed against clenbuterol and salbutamol. This combination of antibodies results in a generic test kit for β-Agonistic drugs.

Kit characteristics

- ***Antibody cross reactivity:***

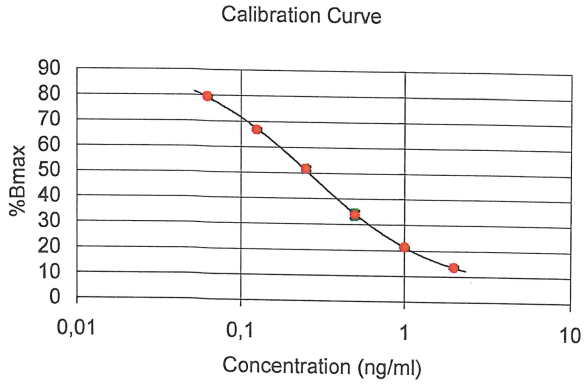
Salbutamol	100%	Tulobuterol	50%
Clenbuterol	100%	Clenpenterol	50%
Bromobuterol	100%	Clenproperol	50%
Cimbuterol	75%	Carbuterol	40%
Mapenterol	70%	Terbutaline	40%
Mabuterol	60%	Cimaterol	10%

- ***Kit contents:***
  Microtitre plate, 12 x 8, break 4 wells
  Dilution buffer (20 ml, Ready to use)
  Rinsing buffer (30 ml, 20x concentrated)
  Substrate solution (12 ml, Ready to use)
  Stop solution (15 ml, Ready to use)
  Conjugate (lyophilised)
  Antibody (lyophilised)
  Salbutamol standards, 1 ml ready to use
  0.0625, 0.125, 0.25, 0.5, 1.0, 2.0 and 100 ng/ml
  Zero standard (2 ml, ready to use)

- ***Sample preparation:***
  Samples can be analysed directly after dilution or defatting (urine, milk), after liquid extraction (urine) or solid phase extraction for an optimal result in complicated matrices.

Assay procedure

Antibody, conjugate and sample/standard are pipetted into the wells of the microtitre plate and incubated for 1 hour at 2°C - 8°C. After a washing procedure ready to use substrate is added and incubated for 30 minutes at room temperature. Stop the reaction and read in a spectrophotometer at 450 nm.
A calculation program is available upon request.



- ***Shelf life:***
  Maximum shelf life 16 months.
  Kit components are reusable after opening the kit.

Assay characteristics (LOD in ppb)

	Urine Direct	Urine Liquid-extraction	Faeces, liver, kidney bile, plasma	Muscle SPE extr.	Retina	Feed	Milk
Salbutamol	0.75	0.1	0.25	0.2	0.8	10	--
Clenbuterol	0.75	0.1	0.25	0.2	0.8	10	0.03

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