EuroProxima

VIRGINIAMYCIN ELISA (5151VIG)

General

Virginiamycin is a streptogramin antibiotic complex similar to pristinamycin and quinupristin-dalfopristin. It's a combination of pristinamycin IIA (virginiamycin M1) and virginiamycin S1. In veterinary medicine, virginiamycin has been used to promote growth in livestock, and to prevent and treat infections. In 1998, however, virginiamycin was banned from animal feed in accordance with Council Regulation (EC) no. 2821/98.
The virginiamycin ELISA is a competitive enzyme immunoassay for screening on the presence of virginiamycin residues in urine samples. Samples are measured in duplicate which means that in total 40 samples can be analysed.

Kit characteristics

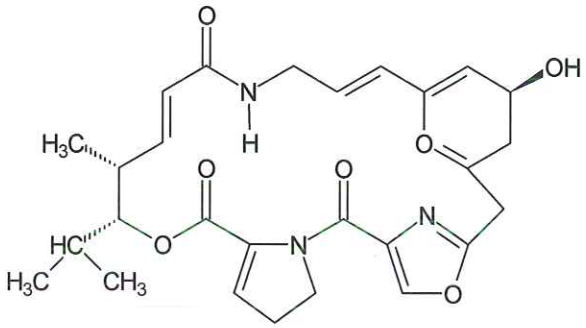
- ***Microtiter plate*:**
  12 x 8 break 4 wells

- ***Antibody cross-reactivity:***

Virginiamycin	100%
Zinc Bacitracin	<0.01%
Tylosin	<0.01%
Olaquindox	<0.01%
Neomycin	<0.01%
Chlortetracycline	<0.01%
Oxytetracycline	<0.01%

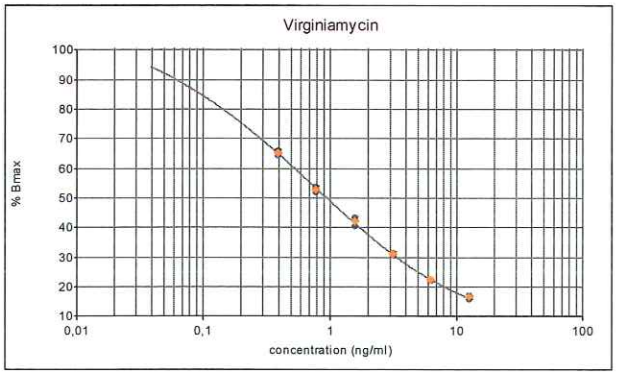
- ***Conjugate***
  Virginiamycin-HRP stabilized

- ***Standard range (ready-to-use):***
  0, 0.39, 0.78, 1.56, 3.125, 6.25, and 12.5 ng/ml



Chemical structure of virginiamycin M1

Assay procedure
Sample/standard and enzyme conjugate are pipetted into the pre-coated wells and incubated for 1 hour at RT (20°C - 25°C). After a washing procedure, ready-to-use substrate is added and incubated for 30 minutes at RT. The reaction is stopped and a read-out is performed in a spectrophotometer at 450 nm.



Assay characteristics

Matrices and sample preparation	*LOD (ppb)*1*
Urine (dilution 1 : 100)	40
Feed (dilution 1 : 100)	40
Milk (dilution 1 : 20)	8

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