



GENTAMICIN ELISA (5111GEN)

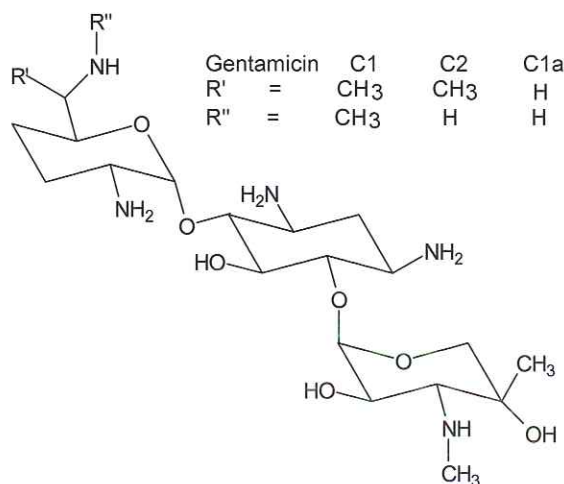
General

Gentamicin belongs to a group of carbohydrate containing antibiotics called aminoglycosides. All the aminoglycosides are potentially toxic compounds causing significant damage in vestibular and auditory functions in humans as well as in animals. In combination with the streptomycin and neomycin ELISA we offer a unique panel for the detection of these three aminoglycosides in a range of matrices.

Kit characteristics

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

Gentamicin	100%
Sisomycin	25%
Neomycin	< 0.1%
Kanamycin	< 0.1%
- **Conjugate**
Gentamicin-HRP stabilized
- **Standard range (ready-to-use):**
0, 0.25, 0.5, 1.0, 5.0, 10 and 50 ng/ml
Standard solution: 100 ng/ml



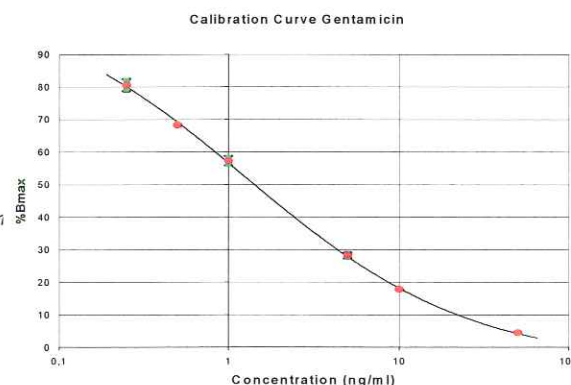
Chemical structure of Gentamicin

Assay procedure

Antibody, conjugate and sample/standard are pipetted into the wells 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 RT (20°C - 25°C). Stop the reaction and read in a spectrophotometer at 450 nm.

Assay characteristics

Matrices and sample preparation,	LOD (ppb)*¹
Milk, serum: direct after dilution	2
Tissue, feed: trichloroacetic extraction	10
Egg: homogenisation and dilution	1
Urine: direct after dilution	4
Honey: after dilution	5
Honey: after solid phase extraction	2.5



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