

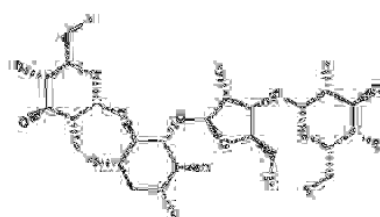
NEOMYCIN EIA (5111NEO1p)

General

Neomycin belongs to a group of carbohydrate containing antibiotics called aminoglycosides. All 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 Gentamicin EIA we offer a unique panel for the detection of these three aminoglycosides in a range of matrices.

Kit characteristics

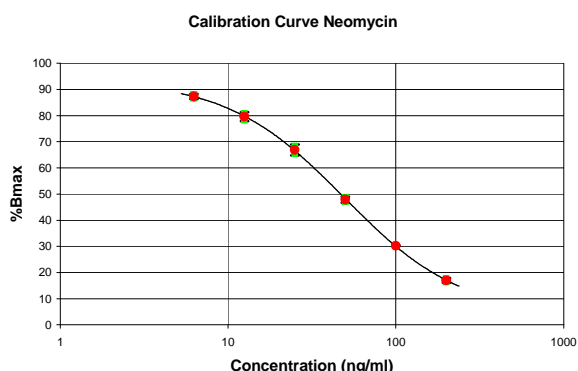
- **Microtitre plate:**
12 x 8 break 4 wells
- **Antibody cross reactivity:**
 - Neomycin 100%
 - Gentamicin < 0.1%
 - Sisomicin < 0.1%
 - Kanamycin < 0.1%
 - Streptomycin < 0.1%
- **Conjugate:**
Neomycin-HRPO stabilized
- **Standard range ready to use:**
0, 6.25, 12.5, 25, 50, 100 and 200 ng/ml
Stock standard 1000 ng/ml
- **Shelf life:**
Maximum 16 months
Kit components are reusable after opening the kit.



Chemical structure of neomycin

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 room temperature. Stop the reaction and read in a spectrophotometer at 450 nm. A calculation program is available upon request



Assay characteristics

Matrices and sample preparation,

Milk: defatting and dilution
 Serum / plasma: direct after dilution
 Tissue, trichloroacetic extraction
 Egg: trichloroacetic extraction
 Urine: direct after dilution
 Honey: trichloroacetic extraction

LOD (ppb) ^{*1}	Recovery Rate ^{*1}
18	>70%
35	>90%
10	>90%
14	>90%
38	>80%
20	>90%

^{*1} LOD (Limit of Detection) and Recovery data; Validation according SANCO/1085/2000.