

Product information

Product name:	Neomycin ELISA-Test Kit
Product number:	EN-1
General Description:	<p>Neomycin, an antibiotic, is used to prevent or treat skin infections caused by bacteria. It is not effective against fungal or viral infections. Neomycin may cause damage to the kidneys and/or nerves. It's potentially toxic compounds causing significant damage in vestibular and auditory functions in humans as well as in animals.</p> <p>The GreenSpring™ Neomycin ELISA test Kit is very simple in sample pre-treatment, which only need 10 minutes.</p>
Principle:	<p>This test kit is based on the competitive enzyme immunoassay. The coupling antigen is pre-coated on the micro-well stripes. The Neomycin residues in the sample and the coupling antigen pre-coated on the micro-well stripes compete for the anti-Neomycin antibody. After the addition of the enzyme conjugate, the TMB substrate is added for coloration. The optical density (OD) value of the sample has a negative correlation with the Neomycin in it. This value is compared to the standard curve and the Neomycin concentration is subsequently obtained.</p>
Specifications	
Format:	96 wells/kit (12 strips with 8 removable wells each)
Sensitivity:	0.5 ppb
Detection limit:	honey, chicken (liver), pork (liver), fish, shrimp - 10 ppb
Crossreaction rate:	Neomycin -100%, Streptomycin - < 0.1%, Gentamicin - < 0.1%, Dihydrostreptomycin - < 0.1%, Kanamycin - < 0.1%, Tobramycin - < 0.1%, Sisomicin -< 0.1%
Sample processing time:	meat (liver), honey, fish and shrimp – 10 min.
Detection time:	80 min

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