

ARG80814 Streptomycin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80814 Streptomycin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Streptomycin in food (extraction) (e.g. honey, shrimps, meat, liver, milk and whole egg).
Tested Reactivity	Other
Tested Application	ELISA
Target Name	Streptomycin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	1 ng/ml
Sample Type	Food (extraction) (e.g. honey, shrimps, meat, liver, milk and whole egg).
Standard Range	2 - 200 ng/ml
Sample Volume	100 µl

Application Instructions

Assay Time	30, 15 min (RT), 15 min (RT/dark)
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	Streptomycin
Background	<p>Streptomycin consists of three components, which are linked together by glycoside bonds, and it belongs to the group of the aminoglycoside antibiotics. Streptomycin is naturally produced by the actinobacterium <i>Streptomyces griseus</i>, and its activity is directed against gram-negative bacteria and the tubercle bacillus. Therapeutically it is used in the case of streptococcal and enterococcal enteritis. Because of its side effects (damage of equilibrium and auditory nerve, as well as the kidney) it is rarely used in the human treatment, but has an application in the veterinary area. After the treatment of mastitis in breeding animals, elevated streptomycin values were also measured in liver, kidney, muscle and milk. The maximum permissible values are in these cases: 500 µg/kg, 1000 µg/kg, 500 µg/kg and 200 µg/kg. Another application of the antibiotic streptomycin under the brand name of Plantomycin is the treatment of the illness of fruit trees called fire blight. In order to reduce the transmission to humans, maximum permissible values were defined in the European Union. The German critical value for streptomycin in honey according to the RHMV regulation is at the moment 20 µg/kg.</p>

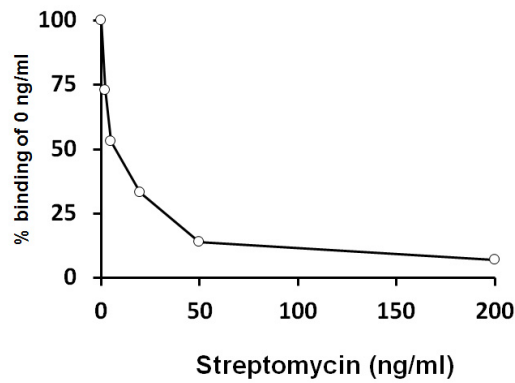
Highlight

Related products:
[Streptomycin antibodies](#); [Streptomycin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Research Area

Microbiology and Infectious Disease kit

Images



ARG80814 Streptomycin ELISA Kit standard curve image

ARG80814 Streptomycin ELISA Kit results of a typical standard run with optical density reading at 450nm.