

ARG80810 Penicillin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	Enzyme Immunoassay for the quantification of Penicillin in shrimps and milk.
Tested Reactivity	Other
Tested Application	ELISA
Target Name	Penicillin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	3 ng/ml
Sample Type	Shrimps and milk.
Standard Range	4 - 400 ng/ml
Sample Volume	100 µl

Application Instructions

Assay Time	1 h, 1 h (RT/shaker), 20 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	Penicillin
Background	<p>Penicillin was accidentally detected by Alexander Fleming in 1929. The drug belongs to the mycotoxins and is generated by the mould <i>Penicillium chrysogenum</i>. Penicillin as an antibiotic is preferentially used in the treatment of gram-positive bacteria, both for humans and animals. Of all illegally administered drugs, antibiotics are most frequently used in productive livestock. Contaminations in food or milk are ingested by humans, and can lead to severe infections by pathogen germs which became resistant against penicillin, or to allergies. The allergic reactions appear with different severity, dependent on dose and individual disposition, and showing symptoms from urticaria to anaphylactic shock.</p> <p>During routine testing of milk samples for antibiotics, in more than 90% of the positive cases, betalactam preparations or penicillins are detected.</p> <p>The method of choice for the determination of penicillin contamination in food has always been a microbiological assay. These procedures allow however no quantitative determination and no identification of the antibiotic drug, which is achieved by a sensitive ELISA test kit or immunoaffinity</p>

columns together with HPLC.

Highlight

Related products:

[Penicillin antibodies](#); [Penicillin ELISA Kits](#);

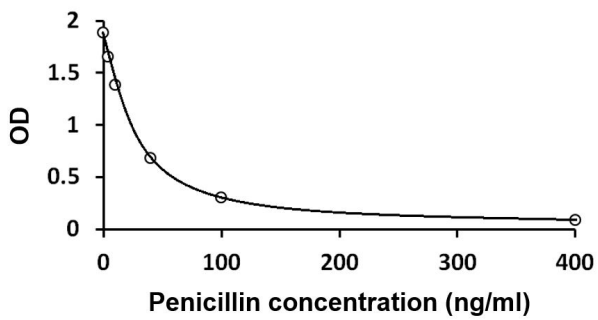
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Cell Biology and Cellular Response kit; Microbiology and Infectious Disease kit

Images



ARG80810 Penicillin ELISA Kit standard curve image

ARG80810 Penicillin ELISA Kit results of a typical standard run with optical density reading at 450 nm.