

ARG80800 Fumonisin (Rapid) ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG80800 Fumonisin (Rapid) ELISA Kit is a Enzyme Immunoassay kit for the quantification of Bacteria Fumonisin (Rapid) cereals and beer/gyle.
Tested Reactivity	Other
Tested Application	ELISA
Target Name	Fumonisin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	0.015 ppm
Sample Type	Cereals and beer/gyle.
Standard Range	0.05 - 5 ppm
Sample Volume	100 µl

Application Instructions

Assay Time	10 (RT), 10 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	Fumonisin
Background	<p>Fumonisin in addition to zearalenone, deoxynivalenol and other trichothecenes belongs to the fusarium toxins. These toxins are already produced on the field in consequence of a contact of the cereals by fusarium species. These toxins show an extreme stability against high temperatures (up to 100°C), and they can remain active in contaminated food for years. Fumonisin can be found in maize, oats and other types of grain. Worldwide a contamination in maize of 60% has been detected. When ingested by animals, fumonisin leads to neurotoxicity, hepatotoxicity and lung edema, mainly in horses and pigs. Therapeutic measures are the change of the grain given to the animals, or the administration of diuretic drugs. In human patients hints for the appearance of esophagus cancer could be associated with the exposition to fumonisin B1. Values assessed for the acute toxicity are 8 mg per kg weight and for the chronic situation 25 mg/kg in feed stuff.</p>

Since June 2010 the US Food and Drug Association recommends maximum amounts of 2 - 100 ppm for raw cereals depending on the intended use. In the European Union the limits are 0.1 – 0.5 ppm for food

and 5-60 ppm for feed products. Thus a monitoring of food and feed with respect to the concentration of fumonisin is obligatory.

ARG80800 Fumonisin (Rapid) ELISA Kit represents a highly sensitive detection system and is particularly capable of the rapid quantification of fumonisin contaminations in cereals and beer.

Highlight

Related products:

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

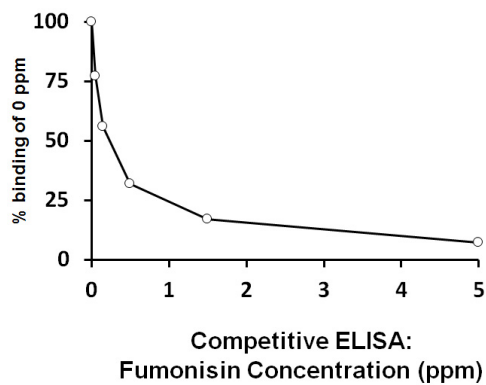
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Microbiology and Infectious Disease kit

Images



ARG80800 Fumonisin (Rapid) ELISA Kit example of standard curve image

ARG80800 Fumonisin (Rapid) ELISA Kit results of a typical standard run with optical density reading at 450nm.