



User's Manual

Crystal Violet/LCV competitive ELISA Kit



DEIA-XYZ28



96T



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

Creative Diagnostics

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PRODUCT INFORMATION

Intended Use

This ELISA Test Kit is designed for routine screening for Crystal Violet/Leucocrystal Violet in fish, shrimp, fish and shrimp feed, fish oil and water samples of fish farms or fishponds.

General Description

Crystal Violet has been widely used all over the world in the fish farming industry as a fungicide, ectoparasiticide and disinfectant. However, it has been shown recently that Crystal Violet is highly cytotoxic to mammalian cells and has been implicated in the induction of thyroid and liver tumors. This has led to a prohibition of Crystal Violet for the treatment of fish and shrimp used for food production.

Storage

2-8°C

Reconstitution And Storage

12 months when properly stored

Detection Range

The kit has the capacity for 96 determinations or testing of 42 samples in duplicate

Detection Limit

Fish: 0.045 ppb; Shrimp: 0.045 ppb; Fish&Shrimp Feed: 0.1 ppb; Fish Oil: 0.045 ppb; Water: 0.025 ppb-Fresh Water, 0.015 ppb-Saltwater

References

1. Contia, G. O., Chiara Copata, C., Wangb, Z., D'Agatia, P., Cristaldia, A. and Ferrantea, M. (2014) Determination of illegal antimicrobials in aquaculture feed and fish: An ELISA study. Food Control. Doi: 10.1016/j.foodcont.2014.10.050