Microcystins (Adda specific) ELISA kit

Patented ELISA for rapid detection of microcystins and nodularins.

Polyclonal antibody prepared against the Adda moiety binds to microcystins and nodularins, allowing the congener-independent determination of these toxins and many of its congeners, and does not cross-react with other non-related toxins or compounds. No pre-sample preparation required. Total time for measurement is less than 2.5 hours. Enables simultaneous measurement of multiple samples at reasonable costs.

May require a license for import, please contact us for more information.

Microcystins are extremely toxic compounds produced by cyanobacteria (blue-green algae), belonging to species of *Microcystis, Oscillatoria, Anabaena* and *Nostoc*. The contamination of drinking water or water of recreational areas can cause severe health problems to exposed humans and animals. Microcystins possess a cyclic heptapeptide structure of the general composition cyclo(-D-Ala-L-X-D-*erythro*-β-methylisoAsp-L-Y-Adda-D-iso-Glu-N-methyldehydroAla), where Adda is the unusual C20 aa 3-amino-9-methoxy-2,6,8-trimethyl-10-phenyldeca-4,6-dienoic acid and X and Y are variable L-aa.

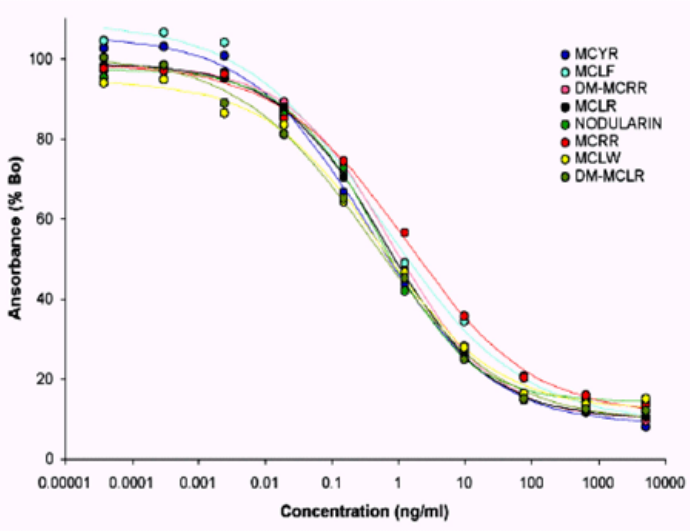
Citations: 15 View Online »

Ordering Information Order Online »

ALX-850-319-KI01	96 wells

Manuals, SDS & CofA View Online »

- Specific – antibody to Adda moiety specifically binds microcystin & nodularin toxins
- Sensitive – measure as little as 0.1ng/ml toxin
- Convenient – no pre-sample preparation required
- Rapid – analyze 41 duplicate samples in <2.5 hours



Cross-reactivity pattern against microcystins and nodularin congeners

Handling & Storage

Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	ELISA
Application Notes	For the quantitative and sensitive congener-independent detection of microcystins and nodularin in water samples.
Assay Time	2 hour 30 minutes
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Sensitivity	0.1ng/ml (range 0.15 to 5ng/ml)
Technical Info / Product Notes	Patented technology. *U.S. Patent No. 6,967,240. Worldwide Patent PCT WO 01/18059 A2.*
Wavelength	450 nm

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com