

# Product Datasheet

## Microcystin-LR ELISA Kit (Colorimetric) KA1496

Unit Size: 1 Kit

Store at 4C in the dark.

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**KA1496****Microcystin-LR ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C in the dark.

<b>Product Description</b>	
<b>Description</b>	Microcystin-LR ELISA Kit is a competitive binding enzyme immunoassay for the quantitative measurement of Microcystin-LR.
<b>Kit Components</b>	ELISA strips (colourless) coated with specific antibody., Standard A, r.t.u. 0 µg/L, Standard B, r.t.u. 0.1 µg/L, Standard C, r.t.u. 0.5 µg/L, Standard D, r.t.u. 1 µg/L, Standard E, r.t.u. 2.5 µg/L, MC-LR labeled with horseradish peroxidase, r.t.u (Px-conjugate)., Wash buffer concentrate, 10x concentrated, Dilution buffer, r.t.u., Chromogenic substrate (TMB substrate), r.t.u., Stop solution, r.t.u., r.t.u: ready to use
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	0.1 to 2.5 ug/L
<b>Sensitivity</b>	0.1 ug/L
<b>Inter Assay</b>	CV% < 6.80%
<b>Intra Assay</b>	CV% < 8.10%
<b>Assay Type</b>	Competitive ELISA
<b>Suitable Sample Type</b>	Water
<b>Sample Volume</b>	40 uL

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

**Publications**

Piyush K, Akhil R, Vigya K et al. Recent developments in the methods of quantitative analysis of microcystins. J Biochem Mol Toxicol. 2020-07-14 [PMID: 32662914]

Perez J, Chu T Effect of Zinc on Microcystis aeruginosa UTEX LB 2385 and Its Toxin Production. Toxins (Basel). 2020-01-30 [PMID: 32019107]

Gracjana B, Sylwia S, Marek K et al. Changes in Growth, Photosynthesis Performance, Pigments, and Toxin Contents of Bloom-Forming Cyanobacteria after Exposure to Macroalgal Allelochemicals. Toxins (Basel). 2021-08-23 [PMID: 34437460]

Kim M, Shin B, Lee J et al. Culture-independent and culture-dependent analyses of the bacterial community in the phycosphere of cyanobloom-forming Microcystis aeruginosa. Sci Rep. 2019-12-31 [PMID: 31892695]

Hassanain WA, Izake EL, Schmidt MS, Ayoko GA. Gold nanomaterials for the selective capturing and SERS diagnosis of toxins in aqueous and biological fluids. Biosens Bioelectron 2017-01-15 [PMID: 28110251]





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### **Products Related to KA1496**

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NBP2-89027	Microcystin-LR Antibody (MC10E7) - Azide and BSA Free
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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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