Microcystin-LR ELISA Kit

Catalog # KA1496 Size 1 Kit

Specification

Product Description	Microcystin-LR ELISA Kit is a competitive binding enzyme immunoassay for the quantitative measurement of Microcystin-LR.
Suitable Sample	Water
Sample Volume	40 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.1 to 2.5 ug/L
Limit of Detection	0.1 ug/L
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C on dry atmosphere away from light.

Applications

- Quantification

Publication Reference

- Pharmaceutical cocktails in aquatic ecosystems: unveiling the hidden ecotoxicological threats to Microcystis aeruginosa.

  Bouthaina Souaf, Nosra Methneni, Rym Hassani, Hanan Abo Alkasem Bosly, José Juan Santana-Rodríguez, Hedi Ben Mansour

  Environ Geochem Health 2026 7; 48(11):0.

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- Tolerance to a Diet of Toxic Microcystis aeruginosa in Caenorhabditis elegans.

  Jordan Balson, Jeffrey R Boudreau, Ian Chin-Sang, Yuxiang Wang, Daniel D Lefebvre

  Toxins (Basel) 2025 Feb; 17(3).

- Rapid microcystin-LR detection using antibody-based electrochemical biosensors with a simplified calibration curve approach.

  Samuel Adjei-Nimoh, Lance-Nicolas Rances, Maha A Tony, Hossam A Nabwey, Woo Hyoung Lee.

  Scientific Reports 2024 Dec; 14(1):31968.

  Application: Quant, Water, Milli-Q water, real lake water

- Sustainable control of Microcystis aeruginosa, a harmful cyanobacterium, using Selaginella tamariscina extracts.

  Wonjae Kim, Yerim Park, Minkyung Kim, Yeji Cha, Jaejoon Jung, Che Ok Jeon, Woojun Park.

  Ecotoxicol Environ Saf. 2024 Jun; 277:116375.

  Application: ELISA, Bacteria, PCC7806 cells

- Effects of micro-sized biodegradable plastics on Microcystis aeruginosa.

  Jee Young Kim, Ka Young Kim, Woo Shik Jung, Hyun Soo Kim, Byeolnim Oh, Jaewon Park, Yoon-E Choi.

  The Science of the Total Environment 2024 Feb; 912:169044.

  Application: ELISA, Microcystis aeruginosa, Cell culture

- Quantitative and qualitative variability of airborne cyanobacteria and microalgae and their toxins in the coastal zone of the Baltic Sea.

  Kinga Wiśniewska, Sylwia Śliwińska-Wilczewska, Mireille Savoie, Anita U Lewandowska.

  The Science of the Total Environment 2022 Jun; 826:154152.

  Application: ELISA, Quant, Bacteria, Air

- Changes in Growth, Photosynthesis Performance, Pigments, and Toxin Contents of Bloom-Forming Cyanobacteria after Exposure to Macroalgal Allelochemicals.

  Gracjana Budzałek, Sylwia Śliwińska-Wilczewska, Marek Klin, Kinga Wiśniewska, Adam Latała, Józef Maria Wiktor.

  Toxins 2021 Aug; 13(8):589.

  Application: Quant, Bacteria, Cyanobacteria

- Recent developments in the methods of quantitative analysis of microcystins.

  Piyush Kumar, Akhil Rautela, Vigya Kesari, David Szlag, Judy Westrick, Sanjay Kumar.

  Journal of Biochemical and Molecular Toxicology 2020 Jul; e22582.

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- Effect of Zinc on Microcystis aeruginosa UTEX LB 2385 and Its Toxin Production.

  Perez JL, Chu T.

  Toxins 2020 Jan; 12(2):E92.

  Application: Quant, Bacteria, ZnCl2-treated M. aeruginosa UTEX LB 2385 cultures

- Culture-independent and culture-dependent analyses of the bacterial community in the phycosphere of cyanobloom-forming Microcystis aeruginosa.

  Kim M, Shin B, Lee J, Park HY, Park W.

  Scientific Reports 2019 Dec; 9(1):20416.

  Application: Quant, Bacteria, M. aeruginosa strains

- Gold nanomaterials for the selective capturing and SERS diagnosis of toxins in aqueous and biological fluids.

  Hassanain WA, Izake EL, Schmidt MS, Ayoko GA.

  Biosensors & Bioelectronics 2017 Jan; 91:664.

  Application: Quant

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