

EDTA Solution (0.02%)

Contains 0.2 g/L EDTA (0.53 mM)
in DPBS without Ca²⁺ and Mg²⁺

Sterile-filtered
Endotoxin tested
Cell culture tested

Catalog Number **LS 015-06**

Storage Temperature 2~8°C

Product Description

Ethylenediaminetetraacetic acid (EDTA) combines with cations such as Mg²⁺ or Ca²⁺ to form a complex compound. EDTA has 4 negative charges for each molecule, and reacts with the diatomic positive charges of two cations. These cations generally assist enzymes (DNase) in hydrolyzing DNA. By adding EDTA to solutions that contain nucleic acid potential DNase activity can be deterred. In molecular biology studies, cations are commonly used to deter enzyme reactions by preventing the activation of assistance factors such as complementary enzymes. Cations also reinforce the cell wall of *E. coli* and many other microbes, and can be removed by adding EDTA.

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Storage/Stability

The concentrated EDTA solutions should be stored at 2~8°C. Deterioration of the solution may be recognized by (1) precipitate or particulate matter throughout the solution, (2) cloudy appearance, (3) color change, and/or (4) pH change. Product label bears expiration date.

Precautions

For *In Vitro* Use Only

		g/L
Components		LS 015-06
EDTA		0.2
Product Profile		
Appearance	Clear colorless solution	
Endotoxin	≤ 1.0 EU/ml	
Sterility	Sterilized by 0.2 μm filtration system.	
	Sterility tests are performed in accordance with protocols described in USP.	