

## 0.5% EDTA Solution

Cat. No.: PB180620

Size: 100mL

### General Information

Product Form	Liquid
Concentration	0.5%
HEPES	Negative
EDTA·2Na	5000 mg/L
Storage	2-8°C, Shading Light
Shipping	Ice bag
Expiration date	18 months

### Background

EDTA is a chemical chelating agent that can chelate divalent metal ions such as  $\text{Ca}^{2+}$  and  $\text{Mg}^{2+}$ . Its solution is also called Versene solution. Because  $\text{Ca}^{2+}$  and  $\text{Mg}^{2+}$  are important components of cell membranes and have the function of agglutinating cells, EDTA can destroy the connection between cells and promote the dissociation of cells into single cells. EDTA is less toxic, cheap, convenient to use, and does not damage cell surface molecules. It only binds to  $\text{Ca}^{2+}$  and  $\text{Mg}^{2+}$ , so it is suitable for cell digestion where cell surface molecules need to be detected. It is also often mixed with trypsin solution in a certain proportion.

### Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1  $\mu\text{m}$  filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.
4. EDTA will not be neutralized, and the digested cells should be washed with PBS, otherwise the cells will be hard to adhere.