0.02% EDTA Solution (Versene Solution)

Cat. No.: PB180320

Size: 100mL

General Information

Product Form	Liquid
Concentration	0.02%
pH	7.2-7.4
Phenol red	Negative
Dissolvent	10 mM PBS
EDTA·2Na	0.2 g/L
Storage	2-8°C
Shipping	Room Temperature
Expiration date	18 months

Background

EDTA is a chemical chelating agent that can chelate divalent metal ions such as Ca^{2+} and Mg^{2+}. Its solution is also called Versene solution. Because Ca^{2+} and 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 Ca^{2+} and 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 μm 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 adherent.