

Triton X-100 Solution (0.5%)

Cat #: A-CSH436

Size: 100mL

Storage: 2-8 °C (6 months)

Product Description

Triton X-100, also known as polyethylene glycol octylphenol ether, is a non-ionic surfactant (or detergent). It has a molecular weight of 646.86 and CAS number 9002-93-1. It is capable of dissolving lipids to increase the permeability of antibodies to cell membranes. In immunocytochemistry, Triton X-100 is commonly used at concentrations of 1% and 0.3%. The 1% Triton X-100 is used for tissue specimen rinsing, while the 0.3% Triton X-100 is used for serum dilution, and the 0.1% Triton X-100 is used for LAMP (loop-mediated isothermal amplification) and BSA preparation. However, it is typically prepared as a 10-30% Triton X-100 stock solution and diluted to the desired concentration when needed. Triton X-100 Solution (0.5%) mainly consists of Triton X-100, deionized water, and other components. It is not sterile and is commonly used as a detergent or membrane disruptor. This reagent is for research purposes only and should not be used for clinical diagnostics or other applications.

Usage

It should be used according to the specific experiment requirements.

Notes

1. Pay attention to aseptic techniques to avoid contamination by bacteria or other microorganisms.
2. In colder temperatures, the solution may form precipitates or crystals. To dissolve them completely, incubate the solution in a temperature-controlled water bath at 25-37 °C.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.