

# Triton™ X-100 Solution, 10%

**Sterile filtered**

**Product Code: TCL135**

## Product Description:

Molecular weight: 646.87

CAS No.: 9002-93-1

Synonyms: octyl phenol ethoxylate, polyethylene glycol p- (1,1,3,3-tetramethylbutyl)-phenylether, polyoxyethylene octyl phenyl ether, 4-octylphenol polyethoxylate, TX-100.

Triton® X 100 is a non-ionic, non-denaturing mild detergent with a bulky non-polar head group. In biochemical applications, Triton® X 100 is used to control protein crystallization, to prevent non-specific binding in affinity purification and in immunoassay procedures and as an additive in electrophoresis buffers. In cell culture, Triton® X 100 is used for multiple applications such as lysis of cells and intracellular organelles, solubilization of membrane proteins and lipids, and membrane permeabilization during transfection procedures. It is used typically at a concentration of 0.1% to 0.5% for lysing cells.

Although Triton® X 100 is considered as a mild detergent, it can be cytotoxic to cells if used in excess amount or, if cells are exposed to it for prolonged duration. Toxicity of Triton® X-100 is attributed to disrupting action of its polar head group on hydrogen bonding present within the cell's lipid bilayer.

TCL135 is 10% Triton X-100 solution.

## Quality Control:

### Appearance

Colorless, clear solution

### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

## Storage and Shelf Life:

Store at 2-8°C.

Shelf life of the product is 12 months.

Use before the expiry date given on the product label.

### Disclaimer :

Revision: 04/2024

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