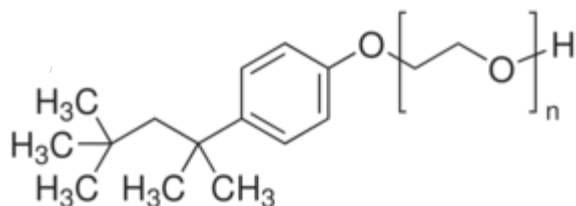




## Product Information Sheet

**T8100**  
**Triton X-100**



Synonyms: Octoxynol; X-100; 4-(1,1,3,3-Tetramethylbutyl)phenyl-polyethylene glycol;  
t-Octylphenoxypolyethoxyethanol; Polyethylene glycol *tert*-octylphenyl ether  
CAS: 9002-93-1  
Formula: C<sub>14</sub>H<sub>22</sub>O(C<sub>2</sub>H<sub>4</sub>O)<sub>n</sub> (n=9-10)  
Mol. Weight: Average 625

### Properties

Form: Liquid  
Appearance: Colorless to Light Yellow, Clear to Slightly Hazy Liquid  
Application: Molecular Biology  
Solubility: Miscible with Water  
Storage Temp: Room Temperature  
Typical Working Concentration: Varies

### Application Notes

Triton X-100 is a nonionic surfactant. It's often used to solubilize proteins in molecular biology applications.<sup>2,3</sup> It has also been used to enhance the dispersal of compounds at hydrophobic-hydrophilic phase boundaries.

Please Note: It is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

### References

1. Merck **13**, 6793.
2. Hearing, Vincent J., Walter G. Klingler, Thomas M. Ekel, and Paul M. Montague. 1976. Molecular weight estimation of Triton X-100 solubilized proteins by polyacrylamide gel electrophoresis. *Analytical Biochemistry*. 72(1-2):113-122.
3. Pappas, Peter W.. 1982. Solubilization of the Membrane-Bound Enzymes of the Brush-Border Plasma Membrane of *Hymenolepis diminuta* (Cestoda) Using Nonionic Detergents. *Journal of Parasitology*. 68(4):588-592.

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