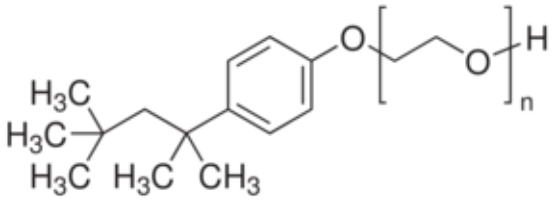
Product Information Sheet

T8100
TX-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:	$C_{14}H_{22}O(C_2H_4O)_n$ (n=9-10)
Mol. Weight:	Average 625



Properties

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

Application Notes

TX-100 is a nonionic surfactant. It's often used to solubilize proteins in molecular biology applications.[2, 3] 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.

PhytoTech Labs Inc.

14610 W 106th St Lenexa, KS 66215 USA

Phone: 1-913-341-5343 or 1-888-749-8682 (USA & Canada)

phytotechlab.com