Triton X-100

Description

The product is the core raw material for nucleic acid extraction after strict screening and quality control. Triton X-100 is a non-ionic surfactant with hydrophilic and hydrophobic ends. On the one hand, it does not dissociate in water, has high stability in solution, is not easy to be affected by strong electrolyte inorganic salts, and can combine with lipids such as phospholipids in biofilm to form soluble complexes; On the other hand, the hydrophobic end can also combine with the hydrophobic region of membrane protein to form a complex and dissolve in solution. Triton X-100 can dissolve lipids to increase cell membrane permeability and rupture cell membrane. Triton X-100 can synergy with SDS to enhance the lysis ability of cells or envelope virus surface membrane structure, and promote nucleic acid release. Tralatone X-100 can antagonize the effect of residual SDS and inhibit the effect of residual SDS on the subsequent process.

Ordering Information

CAT.No.	Product Name	Package
C11209	Triton X-100, for molecular biology	4000 ml

Specifications

Product Name	Octylphenoxypolyethoxyethanol, Polyethylene glycol tert-octylphenyl ether	
Basic content	Recommended application	DNA / RNA extraction, viral nucleic acid extraction
	CAS	9002-93-1
	Molecular formula	C18H30O3
	level	Molecular biology level
	appearance	White transparent or translucent liquid
	Transportation conditions	room temperature
	Preservation conditions	room temperature
	quality guarantee period	2 years
Impurity parameters	smell	nothing
	Acid value (mgKOH / g)	≤1.0
	Saponification value (mg KOH / g)	45-60
	Relative viscosity	1.2-1.5
	Moisture	≤1.0%
	iron	≤5ppm
	potassium	≤0.05%
	heavy metal ion	≤5ppm
UV absorption value	Absorbance value @ 230 (1%)	≤30
	Absorbance value @ 260 (1%)	≤15
	Absorbance value @ 280 (1%)	≤30
	Absorbance value @ 320 (1%)	≤0.1
Nucleic acid extraction related	DNA extraction test	adopt
	Virus total nucleic acid test	adopt
	DNase test (5%)	Not detected
	RNase test (5%)	Not detected
	Impurity analysis (100%)	60 degrees full solution