

Tween-20

Description

The product is the core raw material for nucleic acid extraction after strict screening and quality control. Tween-20 is a non-ionic surfactant with hydrophilic end and hydrophobic end. On the one hand, it does not dissociate in water and has high stability in solution. Tween-20 is a polysorbate surfactant with fatty acid ester group and long polyoxyethylene chain. Their critical micelle concentration is very low. They are generally mild surfactants. They not only do not affect protein activity, but also have high ability to dissolve protein. Tween-20 can be used as a cosolvent for mammalian cell lysis and membrane protein. The combined action of Tween-20 / Triton X-100 is beneficial to improve the activity of protease K and extract the cleavage of lysate.

Ordering Information

CAT.No.	Product Name	Package
C11210	Tween-20, (Molecular Biology)	4000ml

Specifications

Product Name	Polyethylene glycol sorbitan monolaurate, Polyoxyethylenesorbitan monolaurate	
Basic content	Recommended application	DNA extraction, viral nucleic acid extraction
	CAS	9005-64-5
	Molecular formula	C ₅₈ H ₁₁₄ O ₂₆
	molecular weight	~1228
	level	Molecular biology
	appearance	light yellow viscous liquid
	Transportation conditions	room temperature
	Preservation conditions	room temperature
	stability	1 year
Impurity parameters	smell	Slightly distinctive smell
	relative density	one point zero nine five g/mL at 25°C (lit.)
	Viscosity (mm ² / s, 25°C)	250-400
	Acid value (mgKOH / g)	≤2.0
	Saponification value (mg KOH / g)	40-50
	Hydroxyl value (mg KOH. / g)	96-108
	Moisture	≤3.0%
	Grayscale	≤0.25%
	Lead (mg / kg)	≤2.0
	Oxyvinyl (c ₂ h ₄ O, W/%)	≤70-74%
UV absorption value	Absorbance value @ 230 (5%)	≤4
	Absorbance value @ 260 (5%)	≤1
	Absorbance value @ 280 (5%)	≤0.5
	Absorbance value @ 320 (5%)	≤0.01
Nucleic acid extraction related	DNA extraction test	adopt
	Virus total nucleic acid test	adopt
	DNase test (5%)	Not detected
	RNase test (5%)	Not detected
	PH value (5%)	5.0-7.0