

Surfactants

Catalog Numbers: BLI4605, BLI6110, BLI3945

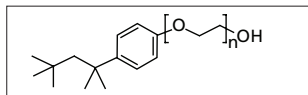
DESCRIPTION

Surfactants are commonly utilized with microspheres composed of hydrophobic polymer matrices such as polystyrene to facilitate bead wetting and deter or treat aggregation. Common concentrations are ~0.1% for uncoated polymer beads, and ~0.01% in the storage buffer of coated polymer, magnetic, and silica beads. The type and concentration of surfactant should be optimized to achieve best performance. As surfactant associates with the bead surface and can interfere with binding, it is washed out prior to bead coating or use of the coated microsphere reagent.

TRITON® X-100 NONIONIC SURFACTANT

Triton® X-100 is a nonionic surfactant. It is often used in the storage buffers of coated bead suspensions.

Very low concentrations may be used in wash or binding buffers if needed (e.g. 0.0005%). (Molecular Weight: 625.00 [amp])

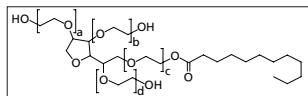


Structure of Triton® X-100.

TWEEN® 20 NONIONIC SURFACTANT

Tween® 20 is a nonionic surfactant. It is often used in the storage buffers of coated bead suspensions. Very low concentrations may be used in wash or binding buffers if needed

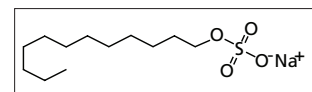
(e.g. 0.0005%). (Molecular Weight: 1,227.50)



Structure of Tween® 20.

SODIUM DODECYL SULFATE (SDS) ANIONIC SURFACTANT

Sodium dodecyl sulfate (SDS) is an anionic surfactant, which will decrease hydrophobicity and can participate in charge stabilization of the suspension. SDS is a more rigorous surfactant that is commonly used in uncoated polymer bead preparations. (Molecular Weight: 238.38)



Structure of Sodium Dodecyl Sulfate.

REGISTERED TRADEMARKS

1. Triton® is a registered trademark of The Dow Chemical Company.
2. Tween® is a registered trademark of ICI Americas, Inc.

STORAGE AND HANDLING

Storage Store desiccated at 4°C.

Handling Proper laboratory technique should be followed to safeguard against introduction of contaminants while pipetting.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

ORDERING INFORMATION

Cat. #	Description	Size
BLI4605-10	Triton® X-100	10g
BLI6110-10	Tween® 20	10g
BLI3945-10	Sodium Dodecyl Sulfate	10g

TO ORDER

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