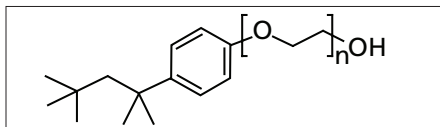


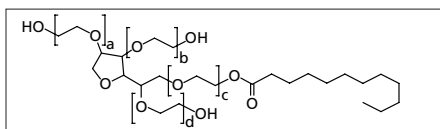
DESCRIPTION

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.



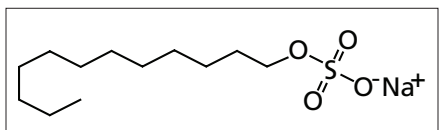
Triton™ X-100 Nonionic Surfactant

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)



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)



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)

RELATED TECHNICAL LITERATURE

TN202 - Microsphere Aggregation, TN203 - Washing Microspheres, TN204 - Adsorption to Microspheres, TN205 - Covalent Coupling

TRADEMARKS

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

STORAGE AND STABILITY

Store at 2-8°C. 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. Number	Description	Size
AA014	Triton™ X-100 Nonionic Surfactant	10g
AA016	Tween® 20 Nonionic Surfactant	10g
AA018	Sodium Dodecyl Sulfate Anionic Surfactant	10g

RELATED PRODUCTS

Cat. Number	Description	Sizes
BUFF1	Bangs Bead Coupling Buffer, pH 4.5	250mL, 500mL, 1000mL, or 2000mL
BUFF2	Bangs Bead Coupling Buffer, pH 6.0	250mL, 500mL, 1000mL, or 2000mL
BUFF3	Bangs Bead Coupling Buffer, pH 7.4	250mL, 500mL, 1000mL, or 2000mL
BUFF4	Bangs Bead Coupling Buffer, pH 9.0	250mL, 500mL, 1000mL, or 2000mL
BUFF5	Bangs Bead Storage Buffer, pH 7.4	250mL, 500mL, 1000mL, or 2000mL
BUFF6	Bangs Bead Storage Buffer, pH 8.5	250mL, 500mL, 1000mL, or 2000mL
SOLN1	Bangs Bead Solution	500mL, 1000mL, or 2000mL

Order online anytime at www.bangslabs.com.