

TWEEN-20®

PRODUCT INFORMATION

TWEEN-20® is a non-ionic surfactant with hydrophobic alkyl side chains. In an aqueous environment the components form micelles above the critical micel concentration (at approximately 0.07% in PBS). This is based on hydrophobic interaction. When other hydrophobic components (proteins, gold conjugates etc.) are present these components are likely to get embedded in micellar structures. This has several effects: hydrophobic (background) interactions are largely suppressed, the added different molecules are slightly increased in size and previously existing hydrophobic complexes are broken up due to surface forces.

INSTRUCTIONS FOR USE

We find TWEEN-20® to be most effective at a concentration of 0.1% in PBS pH 7.4.

To prevent both hydrophobic and charged determined background the combined use of TWEEN-20® and AURION BSA-c™ (see auxiliary reagents) is recommended.

NOTE: since TWEEN-20® is a surfactant (detergent) its application may result in removal of weakly bound proteins (e.g. antigens) especially when present in minor amounts on a hydrophobic substratum like nitrocellulose.

TWEEN-20® is supplied in a unit size of 10 ml.
Store at room temperature.

ACTUAL PROCEDURE

Incubation buffer:
PBS, 0.1% TWEEN-20®, 0.1% BSA-c™
adjust pH to 7.4 (with 1M HCl)

1. Aldehyde inactivation
PBS with 50 mM Glycine, pH 7.4, 20 minutes
2. Wash in incubation buffer for 5 minutes
3. Proceed with primary antibody incubation

AUXILIARY PRODUCTS

CODE	DESCRIPTION
900.022	AURION BSA-c™ (10%), 100ml
900.099	AURION BSA-c™ (10%), 30ml



AURION

Immuno Gold Reagents & Accessories
Custom Labelling

Binnenhaven 5
6709 PD WAGENINGEN, THE NETHERLANDS
phone: (+31)-317-415094 fax: (+31)-317-415955
<http://www.aurion.nl/>
info@aurion.nl

