

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 micelle concentration (at approximately 0.007% 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. 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.

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.

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

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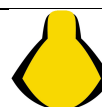
ACTUAL PROCEDURE

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

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