

PBS IHC Wash Buffer + Tween® 20

For In Vitro Diagnostic Use (IVD)

Instructions for use

Catalog No. 934B-06 - 200 ml
934B-09 - 1000 ml

Intended Use

Phosphate Buffered Immunohistochemistry wash buffer + Tween® 20 is for use in Immunohistochemical staining protocols.

Cell Marque offers and recommends the use of its primary antibodies, detection kits, and chromogens with this product.

Summary and Explanation

Phosphate Buffered Immunohistochemistry wash buffer + Tween® 20 is a 20X concentrated solution that is employed to rinse reagents off slides and to provide a medium for short-term storage of immunohistochemistry specimens between application of reagents. When diluted, the ready to use solution is a 0.01 M phosphate buffered saline solution with a pH of 7.4±0.1.

Principles and Procedure

Wash Buffers are used to rinse away reagents between steps of immunohistochemical staining protocols. This solution helps maintain the morphological characteristics of the antibodies and their respective epitopes, in order to facilitate the specific binding necessary in an immunohistochemical reaction. Tween® 20 is added to promote effective washing and to prevent non-specific background staining.

Refer to the Protocol Recommendation section for recommended use.

Materials and Methods

Reagents Supplied As:

Catalog No.	Contents	Volume
934B-06	20X PBS IHC with Tween® 20	200 ml
934B-09	20X PBS IHC with Tween® 20	1000 ml

Materials Reagents Needed But Not Provided:

Distilled or Deionized water	Enzyme Digestion*
Volumetric Flask/Graduated Cylinder	Avidin-Biotin block*
Microscope slides, positively charged	Peroxidase Block
Drying Oven	Primary Antibody*
Positive and Negative Control	Negative Control Reagents*
Clearing Agent (Xylene, Clearene, etc.)	Detection Kits*
Ethanol or reagent Alcohol	Hematoxylin*
Pressure Cooker*	Mounting Medium*
Pretreatment Reagents*	

*See Cell Marque Catalog for product numbers. Some of the reagents listed are based on specific applications and detection system used.

Storage and Stability

Phosphate Buffered Immunohistochemistry wash buffer + Tween® 20 should be stored at room temperature.

Do not use after expiration date printed on product labels.

Recommended Protocol Instructions

1. Prepare a working solution as follows:
Dilute concentrated PBS IHC Wash Buffer + Tween® 20 with DI water 1:20.
2. When used with manual IHC staining techniques agitate slides 5 times in the wash buffer to remove excess staining reagents.
3. When used with automated IHC staining techniques use according to the instrument manufacturer's specifications.

Protocol Notes:

1. Always use the wash buffer at room temperature.

Interpretation of Results

A qualified pathologist must evaluate controls and qualify the stained product before interpreting results.

Quality Control

Refer to NCCLS Quality Assurance for Immunocytochemistry approved guidelines, December 1999 MM4-A Vol.19 No.26 for more information on tissue controls.

Warning/Precautions

1. Refer to product MSDS
2. Do not refrigerate Phosphate Buffered Immunohistochemistry wash buffer + Tween® 20. This will cause a precipitate to form.

Limitations & Warranty

1. Immunohistochemistry is a multiple step, diagnostic process that requires specialized training and selection of appropriate reagents and controls. The protocols for a specific application can vary. It is the responsibility of the end user to determine optimal conditions.
2. There are no expressed or implied warranties which extend beyond this datasheet. Cell Marque is not liable for personal injury, property damage, or economic loss caused by this product.
3. Refrigeration of Phosphate Buffered Immunohistochemistry wash buffer + Tween® 20 will cause a precipitate to form.

Troubleshooting

For further help, feel free to contact Cell Marque's Technical Support at 1-800-665-7284 (USA & Canada) or email us at: service@cellmarque.com.

References

1. NCCLS Quality Assurance for Immunocytochemistry approved guideline, December 1999 MM4-A Vol. 19 No.26 for more information on tissue controls