TBS IHC Wash Buffer + Tween® 20

For In Vitro Diagnostic Use (IVD)
Instructions for use

INTENDED USE

TBS IHC Wash Buffer + Tween® 20 is intended for use in immunohistochemistry (IHC) staining protocols.

SUMMARY AND EXPLANATION

TBS IHC 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 applications of reagents.

PRINCIPLES AND PROCEDURES

Wash buffers are used to rinse away reagents between steps of manual and automated IHC 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 IHC reaction. Tween® 20 is added to promote effective washing and to prevent non-specific background staining.

MATERIALS AND METHODS

Reagents Supplied As:

Reagent Cat. No.	Contents	Vol. (ml)
935B-06	20X TBS IHC Wash Buffer + Tween® 20	200.0 mL
935B-09	20X TBS IHC Wash Buffer + Tween® 20	1000.0 mL

Materials and Reagents Needed But Not Provided

1. Primary Antibody(ies)
2. Volumetric flask/graduated cylinder
3. Microscope slides, positively charged
4. Drying oven
5. Positive and negative controls
6. Clearing agent (xylene, Clearene, etc.)
7. Ethanol or reagent alcohol
8. Slide rack*
9. Staining dishes*
10. Pressure cooker*
11. Pretreatment reagents*
12. Proteolytic enzyme
13. Peroxidase block
14. Negative control reagents*
15. Detection kits*
16. Chromogen*
17. Hematoxylin*
18. Mounting medium

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

Storage and Stability
Store at 2-8°C, up to 36 months from the date of manufacture (see product label for expiration date).

Reagent Preparation
1. Prepare a working solution as follows:

   Dilute concentrated TBS IHC Wash Buffer + Tween® 20 with DI water 1:20.

Recommended Protocol(s)
1. When used with manual IHC staining techniques agitate slides 5 times in the wash buffer to remove excess staining reagents.
2. When used with automated IHC staining techniques use according to the instrument manufacturer's specifications.

INTERPRETATION OF RESULTS

The clinical interpretation of any staining, or the absence of staining, must be complemented by morphological studies and evaluation of proper controls. Evaluation must be made by a qualified pathologist within the context of the patient's clinical history and other diagnostic tests.

QUALITY CONTROL PROCEDURES

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

WARNINGS AND PRECAUTIONS

1. This product is for *in vitro* diagnostic use by professionals only.
2. Do not use after expiration date printed on product labels. The user must validate any storage conditions other than those specified in the package insert.
3. Bring all reagents, slides, and specimens to room temperature (18-24° C) prior to use.
4. Cross contamination of reagents or samples may give false results.
5. Avoid microbial contamination of reagents, as this could produce incorrect results.
6. Avoid contact of reagents with eyes and mucous membranes. If reagents come in contact with sensitive areas, wash with copious amounts of water.
7. Do not smoke, eat, or drink in areas where specimens or reagents are handled.
8. Avoid splashing or generation of aerosols at all times.
9. Reusable glassware must be washed and thoroughly rinsed free of detergents prior to use. All glassware must be clean and dry before use.
10. Never pipette by mouth and avoid contact of reagents and specimens with skin and mucous membranes. If contact occurs, wash with a germicidal soap and copious amounts of water.
11. Refer to product SDS.

LIMITATIONS

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.

TROUBLESHOOTING

Refer to reagent-specific protocol recommendation according to data sheet provided.

For further help, feel free to contact Cell Marque's Technical Support at +1-800-665-7284.

REFERENCES

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

DISCLAIMERS

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