

20% Tween 20

Buffer

Control Number: 901-TWN20-090617

Catalog Number: TWN20 H, L, M

Description: 25, 100, 500 ml

Intended Use:

For In Vitro Diagnostic Use

Summary & Explanation:

Tween 20 is a detergent (surfactant) commonly added to buffers and reagents for immunohistochemistry. Its purpose is to decrease background staining and enhance reagent spreading in automated and manual procedures. It can also be used on an automated staining system.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

Tween 20 surfactant with preservative

Materials and Reagents Needed But Not Provided:

Microscope slides, positively charged

Desert chamber* (Drying oven)

Positive and negative tissue controls

Xylene (Could be replaced with a xylene substitute*)

Ethanol or reagent alcohol

Decloaking chamber* (Pressure cooker)

Deionized or distilled water

Pretreatment Reagents*

Enzyme Digestion*

Avidin-Biotin Blocking Kit* (Labeled Streptavidin Kits Only)

Peroxidase block*

Protein block*

Primary antibody*

Negative Control Reagents*

Detection Kits*

Detection Components*

Chromogens*

Hematoxylin*

Bluing Reagent*

Mounting media*

* BIOCARE MEDICAL PRODUCTS: Refer to a BIOCARE MEDICAL Catalog for further information regarding catalog numbers and ordering information. Certain reagents listed above are based on specific application and detection system used.

Storage and Stability:

Store at room temperature. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at room temperature.

Protocol Recommendations:

For manual users:

1. Add 2.5ml of 20% Tween 20 to 1000ml of PBS, TBS, or deionized water.
2. Gently shake or swirl into solution.

For Nemesis 7200 autostainers or other autostainers:

1. Add 25 ml of 20% Tween 20 to 10 liters of water.

Technical note:

If microbial growth in wash water is problematic, ProClin 300 from Supelco (cat# 48914-U) may be added to 0.05-0.1% in water carboy for added growth inhibition.

Performance Characteristics:

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of BIOCARE products. Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

Quality Control:

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

Precautions:

This product is not classified as hazardous. The preservative used in this reagent is Proclin 300 and the concentration is less than 0.25%. Overexposure to Proclin 300 can cause skin and eye irritation and irritation to mucous membranes and upper respiratory tract. The concentration of Proclin 300 in this product does not meet the OSHA criteria for a hazardous substance. Wear disposable gloves when handling reagents.

Specimens, before and after fixation and all materials exposed to them, should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water. Microbial contamination of reagents may result in an increase in nonspecific staining. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change. The MSDS is available upon request.

Consult OSHA, federal, state or local regulations for disposal of any toxic substances. Proclin™ is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates.

Troubleshooting:

Follow the antibody specific protocol recommendations according to data sheet provided. If atypical results occur, contact BIOCARE's Technical Support at 1-800-542-2002.