

# Background Terminator

## Blocking Reagent

Control Number: 901-BT967-082317

**Catalog Number:** BT967 H, L**Description:** 25, 100 ml, Ready-to-use**Intended Use:**

For In Vitro Diagnostic Use

Background Terminator is a blocking reagent that is intended for laboratory use in reducing nonspecific background staining observed in immunohistochemistry (IHC) procedure on formalin-fixed paraffin-embedded (FFPE) human tissues performed with goat anti-mouse and goat anti-rabbit detection systems. The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

**Summary & Explanation:**

Background Terminator is the ultimate blocking reagent for many sources of nonspecific background staining in immunohistochemical techniques. Studies have shown it is superior to goat serum, dried milk, gelatin and BSA blocking reagents.

**Known Applications:**

Immunohistochemistry (formalin-fixed paraffin-embedded tissues) on human tissues

**Supplied As:**

Goat serum plus blocking proteins in PBS with preservative and surfactant

**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  
Wash buffer\*(TBS/PBS)  
Pretreatment reagents\*  
Enzyme digestion\*  
Avidin-Biotin Blocking Kit\* (Labeled streptavidin kits only)  
Peroxidase 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 2°C to 8°C. 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.

**Protocol Recommendations:**

For immunohistochemistry, Background Terminator should be applied prior to primary antibody as follows:

1. Add 2-5 drops (enough to cover entire tissue section) and incubate 5-10 minutes at room temperature.
2. Rinse slides in Immunocare PBS Wash Buffer
3. Apply primary antibody.

**Protocol Notes:**

1. Biocare's Background Terminator is a potent blocker. In most cases, a 5 minute incubation time is adequate.
2. For severe or high background staining, incubate tissues for 15-30 minutes. Drain slides (DO NOT RINSE) and apply primary antibody.
3. Background Terminator cannot be used with two-step polymers such as MACH 3, MACH 4 or Promark detection kits.

**Limitations:**

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. The clinical interpretation of any positive or negative staining should be evaluated within the context of clinical presentation, morphology and other histopathological criteria by a qualified pathologist. The clinical interpretation of any positive or negative staining should be complemented by morphological studies using proper positive and negative internal and external controls as well as other diagnostic tests.

**Quality Control:**

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2) CLSI Wayne, PA USA ([www.clsi.org](http://www.clsi.org)). 2011

**Precautions:**

1. 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.
2. 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.
3. Microbial contamination of reagents may result in an increase in nonspecific staining.
4. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
5. The SDS is available upon request and is located at <http://biocare.net>.
6. Do not use reagent after the expiration date printed on the vial.
7. 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.