

Background Punisher

Blocking Reagent

Control Number: 902-974-082317

Catalog Number: BRR974 H, L, M

Description: 25, 100, 500 ml, Ready-to-use

Intended Use:

For Research Use Only. Not for use in diagnostic procedures.

Summary & Explanation:

Background Punisher is a universal blocking reagent used for reducing nonspecific background staining often found with immunohistochemistry. Background Punisher is specifically formulated for superior pH stability and is sodium azide and thimerosal free. It can be used with automated or manual staining protocols.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

Proprietary combination of proteins in modified 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 away from light. 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 2°C to 8°C.

Staining Protocol Recommendations:

Background Punisher should be applied prior to primary antibody as follows:

1. Wash slides with TBS wash buffer.
2. Add 2-5 drops of Background Punisher (100-300 ul, enough to cover entire tissue section) and incubate 5-10 minutes at room temperature. (See Technical Note #2)
3. Rinse slides in TBS wash buffer.
4. Apply primary antibody as directed on primary antibody datasheet.

Technical Note:

1. A slight turbidity may be observed. Invert 2-3 times before use.
2. Background Punisher is a very strong blocker, and in most cases should not remain on the tissue for more than 15 minutes.

Limitations:

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.

Precautions:

1. This product is not classified as hazardous. The preservative used in this reagent is Proclin 950 and the concentration is less than 0.5%. Overexposure to Proclin 950 can cause skin and eye irritation and irritation to mucous membranes and upper respiratory tract. The concentration of Proclin 950 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. Do not use reagent after the expiration date printed on the vial.
6. The SDS is available upon request and is located at <http://biocare.net>.
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.

Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.