

PeroxAbolish

Blocking Reagent
901-PXA969-040919

BIOCARE
M E D I C A L

Catalog Number: PXA969 L, M
Description: 100, 500 mL, Ready-to-use

Intended Use:

For In Vitro Diagnostic Use
PeroxAbolish is intended for laboratory use in immunohistochemistry (IHC) procedures on formalin-fixed paraffin-embedded (FFPE) tissues to reduce activity of endogenous peroxidase in tissues. 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:

PeroxAbolish is a novel formula that is a non-hydrogen peroxide blocking reagent that is safe and extremely gentle on tissues and cells. It is highly effective in quenching endogenous peroxidase and can be used on formalin-fixed paraffin-embedded tissues, cell culture, blood smears, cell preparations and frozen sections. When using paraffin-embedded formalin-fixed tissues, PeroxAbolish is extremely effective after antigen retrieval methods. It can also be used on an automated staining system.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As: Peroxide-free buffer with preservative and proprietary components

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*

* Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering. Certain reagents listed above are based on specific application and detection system used.

Storage and Stability:

Store at 2°C to 8°C. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date.

Protocol Recommendations:

1. If using paraffin-embedded tissues, deparaffinize tissues and hydrate to water. If necessary, perform a heat retrieval method.
2. Apply PeroxAbolish and incubate for 10-30 minutes at RT.

Note: for cell culture techniques incubate for 10 minutes.

3. Wash slides with several changes of wash buffer. Slides are now ready for application of next reagent.

Protocol Notes:

If tissue has high amounts of endogenous peroxidase activity, increase the incubation time to 20-30 minutes.

When using PeroxAbolish after antigen retrieval methods: incubate for 10 minutes.

Limitations:

The optimum antibody dilution and 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.

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). 2011

Precautions:

1. This product contains less than 1% sodium azide. Sodium azide is used as a preservative and is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing.
2. 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.
3. 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.
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.

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.

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