



Rodent Decloaker, 10X

Pretreatment Reagent

Control Number: 901-RD913-082007

ISO
9001:2000
CERTIFIED

Catalog Number: RD913 L, M

Description: 100, 500 ml, concentrate

Intended Use:

For Research Use Only

Summary & Explanation:

Rodent Decloaker is a novel heat retrieval solution for Rodent Tissues and allows the end-user to block for endogenous mouse and rat IgG; block for non-specific background staining; block for endogenous peroxidase; and at the same time antigen retrieves tissue. Rodent Decloaker is compatible with virtually all types of primary antibodies. Rodent Decloaker can be used with BIOCARE's digital electric pressure cooker (Decloaking Chamber). Antibody titers are doubled and tripled when compared to citrate buffer, pH 6.0. Rodent Decloaker incorporates a color-coded, high temperature pH indicator solution. The end-user is assured, by visual inspection that the solution is at the correct dilution and pH. This product is specially formulated for superior pH stability at high temperature, and will help prevent the possibility of losing pH sensitive antigens. Rodent Decloaker is non-toxic, non-flammable and is sodium azide and thimerosal free.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

10X concentrated heat retrieval solution

Materials and Reagents Needed But Not Provided):

- Microscope slides, positively charged
- Desert chamber* (Drying oven)
- Positive and negative tissue controls
- Xylene (Could be substituted with Xylene substitute*)
- Ethanol or reagent alcohol
- Decloaking chamber* (Pressure cooker)
- Deionized or distilled water
- Wash buffer*(TBS/PBS)
- 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 medium*

* BIOCARE MEDICAL PRODUCTS: Refer BIOCARE MEDICAL Catalog for further information regarding catalog number 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

Procedure: Coplin Jar Method

1. Dry tissue sections at 37°C for 30 minutes and then dry slides 30 minutes at 60°C.
2. Fill the Coplin Jar with 50 ml of 1X Rodent Decloaker.
3. Place slides in the Coplin Jar.
4. Place the Coplin Jar in the pressure cooker chamber.

Protocol Recommendations cont'd:

5. Place the lid on the chamber and start the heating process.
6. When completed, open the lid and continue cooling for 5 minutes.

Procedure: Tissue-Tek Staining Dishes

1. Dry tissue sections at 37°C for 30 minutes and then dry slides 30 minutes at 60°C.
2. Place slides in a slide holder and place in a Tissue-Tek staining dish.
3. Fill the staining dish with 250 ml of 1X Rodent Decloaker.
4. Place the staining dishes in the pressure cooker chamber.
5. Place the lid on the chamber and start the heating process.
6. When completed, open the chamber and allow solution to cool for a few minutes.

Protocol Notes:

1. For rat and mouse brain, heat tissues at 80°C for 30 minutes to 2 hours in Rodent Decloaker.
2. A minimum of 80°C for 30 minutes is required for blocking endogenous mouse and rat IgG.
3. Rodent Decloaker blocks endogenous peroxidase at temperatures of 95°C and above.
4. Certain antibodies may require high temperature antigen retrieval at 120-125°C.
5. We recommend that all mouse and rat tissues be fixed 12-24 hours to insure good morphology and proper staining for immunohistochemistry procedures.

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 950 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.

Limitations & Warranty:

There are no warranties, expressed or implied, which extend beyond this description. BIOCARE is not liable for property damage, personal injury, or economic loss caused by this product.