

Denaturing Solution (Elution Step)

Ancillary Reagent
902-001D-032318

BIOCARE
M E D I C A L

Catalog Number: BRR 001D L
Description: 100 ml, prediluted

Intended Use:

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

Summary & Explanation:

Denaturing Solution is used as an elution step when using a double stain technique (Biocare's 7-step double stain procedure). This will ensure that the second staining protocol will not cross react with the first staining protocol.

Solution A (yellow) is a concentrate that must be diluted with Solution B (red, dilution buffer) for proper elution. It is recommended that the Denaturing Solution be used at different dilutions depending on tissue fixation and the type of antigen retrieval method used (for details see protocol recommendations below).

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

100ml Kit

1. 25 ml of Solution A (BRR025)
2. 75 ml of Solution B (BRR075)

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*
Protein 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 information.

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.

Staining Protocol Recommendations:

Solution A and B: Dilute 1 part A with 1 part B

- Formalin-fixed paraffin-embedded tissues
- No pretreatment on tissues (digestion or antigen retrieval)
- Apply for 5 minutes and wash thoroughly in water

Solution A and B: Dilute 1 part A with 2 parts B

- Formalin-fixed paraffin-embedded tissues
- Digestion, citrate buffer or Reveal
- Apply for 2-5 minutes and wash thoroughly in water

Staining Protocol Recommendations Cont'd:

Solution A and B: Dilute 1 part A with 3 parts B

- Formalin-fixed paraffin-embedded tissues
- EDTA, high pH buffers and Borg Decloaker
- Apply for 2-5 minutes and wash thoroughly in water

1. Deparaffinize tissues and hydrate to water. If necessary perform a hydrogen peroxide block, wash in water, and rinse in PBS or TBS.
2. Apply first antibody with desired detection and chromogen. Wash in deionize water.
3. Apply the Denaturing Solution for 2-5 minutes. Wash in buffer.

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 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. 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 reagent 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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