

Denaturing Solution (Elution Step)

Ancillary Reagent
902-001D-112222

BIOCARE
M E D I C A L

Catalog Number: BRR 001D L

Description: 100 mL

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)

Materials and Methods:

Reagents Provided:

Kit Catalog No.	Component Catalog No.	Component Description	Quantity x Volume
BRR001DL	BRR025	Denaturing Solution A	1 x 25 mL
	BRR075	Denaturing Solution B	1 x 75 mL

Reconstitution, Dilution and Mixing:

The Denaturing Solution (Elution Step) is optimized for use with Biocare antibodies and ancillary reagents and must be diluted just prior to use. Add appropriate amount of Denaturing Solution A to Denaturing Solution B per guidelines below. Mix well.

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

- No pretreatment on tissues (digestion or antigen retrieval)

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

- Digestion, citrate buffer or Reveal

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

- EDTA, high pH buffers and Borg Decloaker

Materials and Reagents Required 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)
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*
Chromogen*
Hematoxylin*
Bluing reagent*
Mounting medium*

* Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering.

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. The stability of user diluted reagent has not been established by Biocare.

Instructions for Use:

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 deionized 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. Refer to reagent Safety Data Sheet for precautions.
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.¹
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.

This Denaturing Solution (Elution Step) contains components classified as indicated in the table below in accordance with the Regulation (EC) No. 1272/2008

Hazard	Code	Hazard Statement
	H317	May cause an allergic skin reaction

Technical Support:

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

References:

1. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition (M29-A4) Wayne, PA 2014.



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