

DAB Chromogen Kit

Chromogen Kit
902-801-032118

BIOCARE
M E D I C A L

Catalog Number: BRR 801 L

Description: 100 ml

Intended Use:

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

Summary & Explanation:

3,3'-Diaminobenzidine (DAB) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol and xylene. This product comes in a two-component system consisting of a liquid stable DAB chromogen and DAB substrate buffer. The color of the chromogen solution can vary from colorless to pale brown.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

100ml Kit

1. DAB Chromogen (BRR851D) 2x2.5ml
2. DAB Substrate Buffer (BRR854H) 4x25ml
3. Mixing Vial (VL103) 1ea

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)
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*
Hematoxylin*
Bluing reagent*
Mounting medium*

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

Storage and Stability:

Store at 2°C to 8°C. 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:

1. After application of HRP detection, rinse tissue section in PBS or TBS Wash Buffer.
2. Mix 1 drop (32µl) of DAB Chromogen per 1.0 ml of DAB Substrate Buffer.
3. Apply DAB mixture to tissue sections. Incubate for 5-7 minutes at room temperature.
4. Rinse in deionized water.

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. 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.
2. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.
3. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens.
4. If reagents or specimens come in contact with sensitive areas, wash with copious amounts of water.
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>.

Warnings:

1. DAB is known to be a suspected carcinogenic.
2. Do not expose DAB components to strong light or direct sunlight.
3. Wear appropriate personal protective equipment and clothing.
4. DAB may cause sensitization of skin. Avoid contact with skin and eyes.
5. Observe all federal, state and local environmental regulations.

Technical Support:

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



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