



## Cardassian DAB Chromogen Kit

### Chromogen Kit

Control Number: 902-859-021913

**Catalog Number:** BRR 859 H, L10

**Description:** 25, 110 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. Cardassian DAB comes in a 3-component system consisting of a liquid stable DAB Chromogen, DAB Substrate Buffer and DAB Enhancer. The enhancer adds contrast and a slight increase in staining intensity.

**Known Applications:**

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:**

**25 ml Kit**

1. DAB Chromogen (BRR851C) 1ml
2. DAB Substrate Buffer (BRR854H) 25 ml
3. DAB Enhancer (BRR860C) 1ml
4. Mixing Vial (VL103) 1ea

**110 ml Kit**

1. DAB Chromogen (BRR851D) 3x2.5ml
2. DAB Substrate Buffer (BRR854L10) 1x110ml
3. DAB Enhancer (BRR860G) 1x6ml
4. 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 Slide Brite\*)  
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\*

\* Biocare Medical Products: Refer to a 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 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:**

Add 1 drop (32µl) of DAB Enhancer to 1.0 ml of ready-to-use Substrate Buffer and mix well. Mix 1 drop (32µl) of DAB Chromogen to the 1.0ml of ready-to-use Substrate Buffer with DAB intensifier and mix well. The ready-to-use solution is stable for 12-24 hours, if stored at 2-8°C.

1. Apply the DAB mixture to tissue section. Incubate for 2-5 minutes.
2. Rinse tissue in deionized water.
3. Counterstain, if desired.

**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. 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.
2. Do not use reagent after expiration date printed on the vial.

**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. The MSDS is available upon request, and is located at <http://biocare.net/support/msds>.

**Technical Support:**

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

