

# Bajoran Purple Chromogen Kit

Chromogen Kit  
901-BJP811-082817

**BIOCARE**  
M E D I C A L

**Catalog Number:** BJP811 L

**Description:** 100 ml

## Intended Use:

For In Vitro Diagnostic Use

Bajoran Purple Chromogen Kit consists of four solutions for the staining of formalin-fixed, paraffin-embedded (FFPE) tissues, as part of an immunohistochemistry (IHC) procedure using a horseradish peroxidase (HRP) detection system. The clinical interpretation of any staining or its absence should be complemented by morphological studies and proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

## Summary & Explanation:

Bajoran Purple is a permanent chromogen substrate kit that produces a lavender-purple stain when used with horseradish peroxidase (HRP) detection systems. Bajoran Purple is not soluble in alcohol or xylenes and can be coverslipped similarly to DAB. The product comes in a 4-component system consisting of ready-to-use buffer, stabilizer, chromogen, and hydrogen peroxide. Bajoran Purple may also be used in double and triple stain procedures.

## Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

## Supplied As:

1. Bajoran Purple Stabilizer (BJP811ST) 1.6ml
2. Bajoran Purple Chromogen (BJP811CH) 1.6ml
3. Bajoran Purple Hydrogen Peroxide (BJP811HP) 2ml
4. Bajoran Purple Buffer (BJP811BF) 100ml
5. Mixing Vial (VL103) 1ea
6. Dropper Bottle (DB811) 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\*

\* Biocare Medical Products: Refer to a Biocare Medical catalog for further information regarding catalog numbers 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.

## Protocol Recommendations:

### Prepare Bajoran Purple as follows:

1. Add 1 drop (32µl) of Solution A (Stabilizer) to 2.5 ml of Bajoran Purple Buffer. Mix well.
2. Add 1 drop (32µl) of Solution B (Chromogen) to the mixture. Mix well.
3. Add 1 drop (32µl) of Solution C (Hydrogen Peroxide) to the mixture. Mix well.

Bajoran Purple is stable 4 hours at room temperature or overnight at 2-8°C. Color of ready-to-use solution may slightly change after 1-2 hours.

After using mixing vial and/or dropper bottle, rinse with 70% alcohol and then wash in several changes of deionized water.

After application of HRP-detection, rinse tissue section in PBS wash buffer.

1. Rinse tissue section with deionized water.
2. Apply the Bajoran Purple mixture. Incubate for 2 to 10 minutes and rinse tissue in deionized water.
3. Counterstain in Biocare's Hematoxylin for 30 seconds and wash in deionized water.
4. Blue nuclei in Bluing Solution for 1 minute and wash in deionized water.
5. Dehydrate in alcohol and clear in xylene.
6. Coverslip in a permanent mounting media.

## Protocol Notes:

Do not leave Bajoran Purple stained tissues in alcohol for prolonged periods of time. Fading may occur. Do not use recycled alcohol with this product.

## Limitations:

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. The clinical interpretation of any positive or negative staining should be evaluated within the context of clinical presentation, morphology and other histopathological criteria by a qualified pathologist. The clinical interpretation of any positive or negative staining should be complemented by morphological studies using proper positive and negative internal and external controls as well as other diagnostic tests.

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## Quality Control:

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2) CLSI Wayne, PA USA (www.clsi.org). 2011

## Precautions:

1. 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 950 or chromogen can cause skin and eye irritation and irritation to mucous membranes and upper respiratory tract. The concentration of Proclin 950 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 at <http://biocare.net>.
7. Consult OSHA, federal, state or local regulations for disposal of any toxic substances.
8. Proclin™ is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates.

## Warnings:

1. This chromogen and stabilizer contain acetonitrile.
2. Wear appropriate personal protective equipment and clothing.
3. Avoid contact with skin and eyes.
4. Harmful if swallowed.
5. The SDS is available upon request.



HARMFUL/ IRRITANT



FLAMMABLE



CORROSIVE

## 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.