

Bajoran Purple Chromogen Kit

Chromogen Kit
902-811A-062422

BIOCARE
M E D I C A L

Catalog Number: BRR 811 AL

Description: 100 mL

Intended Use:

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

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:

BRR811AL:

1. Bajoran Purple Stabilizer (BRR811E-1.6) 1.6mL
2. Bajoran Purple Chromogen (BRR811B-1.6) 1.6mL
3. Bajoran Purple Hydrogen Peroxide (BRR811DD) 2mL
4. Bajoran Purple Buffer (BRR811CL) 100mL
5. Mixing Vial (VL103) 1ea
6. Dropper Bottle (DB811) 1ea

Reconstitution, Dilution and Mixing:

The Bajoran Purple Chromogen Kit is optimized for use with Biocare antibodies and ancillary reagents and must be diluted just prior to use.

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

The Bajoran Purple working solution is stable for 4 hours at room temperature or overnight if stored at 2-8°C.

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*
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 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 (intelliPATH FLX® and manual use):

The following programming and protocol recommendations are to assist the user when staining manually and/or using one of Biocare's automated staining platforms for research applications. The user is responsible for further optimizations of the protocol.

1. Deparaffinization: Deparaffinize slides in Slide Brite or xylene. Hydrate slides in a series of graded alcohols to water.
2. Peroxide Block: Block for 5 minutes with Peroxidized 1.
3. Pretreatment Solution/Protocol: Please refer to the respective primary antibody data sheet for recommended pretreatment solution and protocol.
4. Protein Block (Optional): Incubate for 5-10 minutes at room temperature (RT) with Background Punisher.
5. Primary Antibody: Please refer to the respective primary antibody data sheet for incubation time.
6. Probe (mouse antibodies only): Incubate for 5-15 minutes at RT with MACH 4 Mouse Probe.
7. Polymer: Incubate for 10-20 minutes for mouse antibodies or 30 minutes for rabbit antibodies at RT with MACH 4 HRP Polymer.
8. Chromogen: Incubate for 2-10 minutes at RT with Biocare's Bajoran Purple.
9. Counterstain: Counterstain with hematoxylin. Rinse with deionized water. Apply Tacha's Bluing Solution for 1 minute. Rinse with deionized water.
5. Dehydrate in alcohol and clear in xylene.
6. Coverslip in a permanent mounting media.

Technical Notes:

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

Staining Protocol Recommendations (ONCORE™ Pro X Automated Slide Staining System):

The following programming and protocol recommendations are to assist the user when staining on Biocare's ONCORE Pro X Automated Slide Staining System for research applications. The user is responsible for further optimizations of the protocol. The ONCORE Pro X will apply reagent as required in the selected protocol. Refer to the User Manual for detailed instructions on instrument operation and additional protocol options.

Build as Chromogen Reagent: Create new detection reagent in reagent editor as a ready-to-use reagent.

Protocol Recommendation for Chromogen:

Bajoran Purple: 10 minutes at 25°C, (200uL application volume recommended)

Build as Special Protocol: Refer to instrument's operating manual for further instructions



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Rev. 062117

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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.
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.
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.

This chromogen kit contains components classified as indicated in the table below in accordance with the Regulation (EC) No. 1272/2008


Hazard	Code	Hazard Statement
	H225	Highly flammable liquid and vapor.
	H302+H312+H332 H319 H317	Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye irritation. 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 CLSI document M29-A4 Wayne, PA 2014.

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