



Vina Green™ Chromogen Kit

Chromogen Kit

Control Number: 902-807A-041613

Catalog Number: BRR807 AH, AS

Description: 25 ml, 100 ml

Intended Use:

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

Summary & Explanation:

Vina Green is a novel permanent chromogen that produces a green stain in the presence of horseradish peroxidase (HRP). The kit consists of liquid Vina Green chromogen and buffer that are stable, when mixed, for at least 4 hours at room temperature. Vina Green is clearly distinguishable from Warp Red and DAB on a single slide, enabling high flexibility for its application in Multiplex IHC™. Vina Green is suitable for both immunohistochemistry (IHC) and *in situ* hybridization (ISH) applications including HPV, CMV, EBV, Kappa, Lambda, p63, HMWCK, TTF-1, Ki-67, and other targets/antigens such as blood and lymphatic vessels, and basal and myoepithelial cells.

The reaction product is insoluble in alcohols and xylene and, therefore, a variety of counterstains and permanent mounting media can be used with this chromogen kit.

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues).

In-situ hybridization (ISH)

Supplied As:

25 ml size

Vina Green™ Chromogen (BRR807BC) 1 x 1ml

Vina Green™ Buffer (BRR807CH) 1 x 25 ml

Dropper Bottle (DB807)

Mixing Vial (VL103)

100 ml size

Vina Green™ Chromogen (BRR807BC) 4 x 1.0 ml

Vina Green™ Buffer (BRR807CH) 4 x 25 ml

Dropper Bottle (DB807)

Mixing Vial (VL103)

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*

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.

Staining Protocol Recommendations:

1. After application of HRP detection, rinse tissue section in PBS or TBS Wash Buffer.
2. Add 1 drop (32µl) of Vina Green Chromogen (BRR807B) to 1ml of Vina Green Buffer (BRR807C) and mix well.
3. Apply Vina Green working solution to tissue sections. Incubate for 5-10 minutes at room temperature.
4. After Vina Green staining, wash in water and lightly stain with hematoxylin and blue nuclei with TBS wash buffer for no more than 30 seconds and wash thoroughly in water. Prolonged exposure to TBS/PBS will fade Vina Green reaction product.
5. Oven dry or dehydrate, clear and coverslip with a solvent-based mounting medium.

Protocol Notes:

1. Vina Green can be used with Warp Red and DAB for multiplex IHC procedures; however, Vina Green **must** always be used as the last chromogen or after the denaturing step. The denaturing solution (elution step) will degrade Vina Green.
2. The Vina Green working solution is stable for at least 4 hours. If used more than 4 hours after preparation, poor staining may be observed.
3. Do not exceed incubation times of 30 seconds per washing, bluing and dehydration steps.
4. Aqueous-based mountants should be avoided as Vina Green is soluble in these media.
5. If crystals are observed in buffer, consider filtering with a disposable syringe equipped with a 0.4 or 0.8 µm Swinnex® filter. Appearance of crystals in buffer does not compromise performance of the product.

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. Vina Green Chromogen is dissolved in methanol and may cause skin or eye irritation. Avoid contact with skin and eyes. If contact occurs, flush affected area with copious amounts of water. Seek medical attention if necessary.
2. Vina Green Buffer 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.
3. 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.
4. Microbial contamination of reagents may result in an increase in nonspecific staining.
5. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
6. Do not use reagent after the expiration date printed on the vial.
7. The MSDS is available upon request and is located at <http://biocare.net/support/msds/>.
8. Consult OSHA, federal, state or local regulations for disposal of any toxic substances. Proclin™ is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates.

Technical Support:

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