Da Vinci Green Diluent
Antibody Diluent
901-PD900-070517

Catalog Number: PD900 H, L, M
Description: 25, 100, 500 ml, Ready-to-use

**Intended Use:**
For In Vitro Diagnostic Use

**Summary & Explanation:**
Da Vinci Green antibody diluent is a modified PBS formulation with protein carrier and preservative. This modified PBS is formulated for superior performance and stability. In addition, it is protease and IgG-free. Da Vinci Green is Biocare's new standard-universal PBS diluent. It can also be used on an automated staining system.

**Known Applications:**
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:**
Proprietary combination of buffers, staining enhancers, stabilizers and preservative with a pH of 7.3 + 0.1 at RT

**Materials and Reagents Needed But Not Provided:**
- Enzyme Digestion*
- Pretreatment Reagents*
- Decloaking chamber* (Pressure cooker)
- Deionized or distilled water
- Wash buffer*(TBS/PBS)
- Protein block*
- Peroxidase block*
- Avidin-Biotin Blocking Kit* (Labeled Streptavidin Kits Only)
- Bluing Reagent*
- Hematoxylin*
- Chromogens*
- Detection Components*
- Detection Kits*
- Positive and negative tissue controls
- Xylene (Could be replaced with a xylene substitute*)
- Ethanol or reagent alcohol
- Biotin Blocking Kit* (Labeled Streptavidin Kits Only)
- Dissection media*

**Storage and Stability:**
Store at 2ºC to 8ºC. 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 2ºC to 8ºC.

**Protocol Recommendations**
Biocare’s Da Vinci Green Diluent was developed for use with primary antibodies. Please refer to the respective primary antibody datasheet for dilution information.

**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. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

**Quality Control:**
Refer to NCCLS Quality Assurance for Immunocytochemistry approved guidelines, December 1999 MM4 Vol.19 No.26 for more information on tissue controls.

**Precautions:**
Reagents contain less than 0.1% Sodium azide. Concentration less than 0.1% is not reportable hazardous material according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC. Sodium azide (NaN3) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center of Disease Control, 1976, National Institute or Occupational Safety and Health, 1976).

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.

Microbial contamination of reagents may result in an increase in nonspecific staining. Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change. The MSDS is available upon request.

**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.

**Limitations & Warranty:**
There are no warranties, expressed or implied, which extend beyond this description. Biocare is not liable for property damage, personal injury, or economic loss caused by this product.