

# Fluorescence Antibody Diluent

## Antibody Diluent

Control Number: 901-FAD901-090617

**Catalog Number:** FAD901 L

**Description:** 100ml, Ready-to-use

**Intended Use:**

For In Vitro Diagnostic Use

**Summary & Explanation:**

Fluorescence antibody diluent is a modified PBS formulation with protein carrier and preservative. This ready-to-use modified PBS is formulated to deliver superior performance and signal preservation. The diluent is protease free and stabilizes fluorescent dyes for up to one month in a prediluted format.

**Known Applications:**

Immunofluorescence on (formalin-fixed paraffin-embedded tissues), cryostat sections and cell culture preparations.

**Supplied As:**

Proprietary combination of buffers, staining enhancers, stabilizers and preservative with a pH of 7.2-7.4 at Room Temperature.

**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\*  
Protein block\*  
Primary antibody\*  
Negative control reagents\*  
Detection kits\*  
Detection components  
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.

**Protocol Recommendations**

Biocare's Fluorescence Antibody Diluent was developed for use with secondary antibodies conjugated to fluorescent dyes.

**Limitations:**

The optimum antibody dilution and 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

**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. Reagents contain less than 0.1% Sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC.
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. 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. Minimize microbial contamination of reagents or increase in nonspecific staining may occur. 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 reagent 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.