

# Diamond: Antibody Diluent

For In Vitro Diagnostic Use (IVD)  
English: Instructions for use

## Intended Use

Diamond: Antibody Diluent is for use in the preparation of primary and secondary antibody dilutions as well as negative control reagents for use in IHC staining protocols.

Cell Marque offers and recommends the use of its primary antibodies, detection kits, and chromogens with this product.

## Summary and Explanation

Diamond: Antibody Diluent is an appropriately buffered solution for the dilution of both polyclonal and monoclonal antibodies as well as for the preparation of negative control reagents in IHC. It is designed to minimize the non-specific reaction that may be caused by the antibody and encourage specific antigen-antibody binding. Diamond: Antibody Diluent can also be used to stabilize diluted antibodies when stored at 2-8°C.

## Principles and Procedure

When preparing antibody dilutions, add antibody to diluent and not diluent to antibody. Addition of the antibody to the mixing vessel before the diluent can cause contamination of the diluent if multiple dispenses are necessary; take the appropriate precautions.

## Materials and Methods

Diamond: Antibody Diluent contains Tris Buffer, pH 7.3-7.7, with 1% BSA and <0.1% Sodium Azide.

## Reagents Supplied As:

Catalog No.	Contents	Volume
938B-03	Diamond: Antibody Diluent	50 ml
938B-05	Diamond: Antibody Diluent	200 ml
938B-09	Diamond: Antibody Diluent	1000 ml

## Materials Reagents Needed But Not Provided:

Distilled or Deionized water	Enzyme Digestion*
Volumetric Flask/Graduated Cylinder	Avidin-Biotin block*
Microscope slides, positively charged	Peroxidase Block
Drying Oven	Primary Antibody*
Positive and Negative Control	Negative Control Reagents*
Clearing Agent (Xylene, Clearene, etc.)	Detection Kits*
Ethanol or reagent Alcohol	Hematoxylin*
Pressure Cooker*	Mounting Medium
Pretreatment Reagents*	

See Cell Marque Catalog for product numbers. Some of the reagents listed are based on specific applications and detection system used.

## Reagent Preparation

Diamond: Antibody Diluent is a ready to use reagent.

Use to dilute antibodies at desired dilution based on manufacturer's recommendation or laboratory's validated protocol.

## Storage and Stability

Diamond: Antibody Diluent should be stored at 2-8° C up to 36 months from date of manufacture (see product label for expiration date).

## Interpretation of Results

A qualified pathologist must evaluate controls and qualify the stained product before interpreting results.

## Quality Control

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

## Warning/Precautions

1. Refer to product MSDS.
2. Do not use after expiration date printed on product labels.
3. This is a ready to use reagent. Do not dilute prior to use.

## Limitations & Warranty

Immunohistochemistry is a multiple step, diagnostic process that requires specialized training and selection of appropriate reagents and controls. The protocols for a specific application can vary. It is the responsibility of the end user to determine optimal conditions.

There are no expressed or implied warranties which extend beyond this datasheet. Cell Marque is not liable for personal injury, property damage, or economic loss caused by this product.

## Troubleshooting

For further help, feel free to contact Cell Marque's Technical Support at 1-800-665-7284 (USA & Canada) or email us at: [service@cellmarque.com](mailto:service@cellmarque.com).

## References

1. NCCLS Quality Assurance for Immunocytochemistry approved guideline, December 1999 MM4-A Vol. 19 No.26 for more information on tissue controls.