



DATA SHEET

Cat No.

Quantity

10-0058

500 mL Ready-To-Use

Intended Use

For In Vitro Diagnostic Use.

This product is intended for use with primary or secondary antibodies to dilute the antibody to a lower concentration for automated stainers **EXCEPT FOR THOSE ANTIBODIES CONJUGATED TO PEROXIDASE ENZYME**. This product can also be used as a negative control reagent during IHC staining procedures or to dilute non-immune IgG.

Reagents Supplied

One bottle of Ready-To-Use Antibody Diluent for Automated Stainers – 10 mM Phosphate buffered saline (PBS), 1% w/v Bovine Serum Albumin (BSA), 0.09% w/v Sodium Azide, and non-ionic detergent.

Summary And Explanation

During IHC staining procedures, interactions between antibodies and epitopes are limited to weak forces including van der Waals forces, electrostatic forces, and hydrophobic forces. Alterations in pH or ionic strength can disrupt these weak forces, weakening antibody-epitope binding and impacting staining results. The use of a proper antibody diluent mitigates these potential alterations and helps to ensure the optimal performance of the antibody.

Antibody Diluent for Automated Stainers can help stabilize diluted antibodies when stored at 2-8°C. BSA serves as a stabilizer protein to prevent degradation in diluted antibodies.

Sodium Azide is present at a low concentration as an anti-microbial agent.

Storage

Store at 2-8°C. Do not freeze.

All performance claims are void after the expiration date.

Materials Required But Not Supplied

Antibody

Precautions

For professional users only.

Sodium Azide (NaN_3) is a toxic chemical and is present as an antimicrobial agent in Antibody Diluent for Automated Stainers. The concentration in this product is not classified as hazardous. However, the build-ups of NaN_3 may react with lead and copper plumbing to form highly explosive metal azides. Flush any disposed reagent with large volume of water to prevent azide build-up.

This product is not designed for antibodies conjugated to peroxidase enzyme, as Sodium Azide inhibits peroxidase activity.

GENTAUR