F17-517-3-E; Effective 05/26/2017; Supersedes F17-517-3-D

General Block

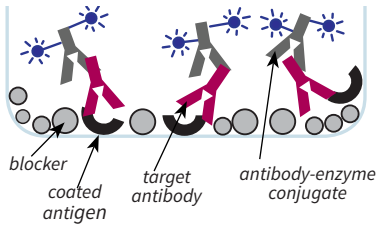
Reduces background using a mixture of blocking agents, including BSA.

General Block contains mammalian protein blocking agents to provide adequate blocking strength for most immunoassays, including monoclonal and polyclonal antibody capture ELISAs and peptide and protein antigen-down ELISAs. This unique blocking buffer contains a heterogeneous mixture of proprietary protein stabilizers and small molecules (including BSA) that block the uncoated regions of the plate. Blocking with ICT's General Block minimizes non-specific binding interactions during the assay process to reduce background noise and enhance the sensitivity of the assay.

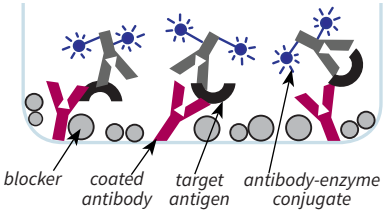
General Block provides a microhydrated environment to stabilize the adsorbed protein. This prevents degradation of the coated material and improves retention of protein antigenicity or antibody activity during long-term storage. General Block contains an antimicrobial agent for room temperature blocking of the plate and for long-term storage of the dried plate at 2-8°C.

When preparing plates, the antibody or antigen is typically coated using 50-200 µL of coating solution per well. After coating, plates are normally washed to remove unbound proteins and then blocked using a larger volume of blocking buffer than was used for coating, such as 300 µL per well. This ensures that all uncoated regions inside the well are blocked. A 96-well plate blocked using this method will require 28.8 mL of blocking solution. However, allow approximately 10% extra blocking buffer to account for losses during pipetting.

Antigen-Down ELISA



Antibody Sandwich ELISA



BRIGHT MINDS, BRIGHT SOLUTIONS.

ImmunoChemistry Technologies, LLC gratefully acknowledges the significant contributions made by one of its founders, Brian W. Lee, Ph.D in the development of this product, including the creation and illustration of its strategy and protocol.

GENERAL BLOCK

Size	Catalog #
100 mL	#632
500 mL	#633
1 L	#640
10 L	#659

INSTRUCTIONS:

1. Coat antibody or antigen onto the ELISA plate (use coating buffer catalog #645 or #6248).
2. Incubate 8-24 hours at room temperature.
3. Aspirate the coating solution.
4. Wash plate twice with ELISA Wash Buffer (catalog #652).
5. Block the uncoated regions of the ELISA plate by pipetting 300-400 µL of blocking buffer into each well. Always use a greater volume of blocking buffer than was used for the coating solution.
6. Incubate 8-24 hours.
7. Aspirate the blocking buffer; do not wash.
8. Run the assay immediately, or dry the plate for long-term storage and seal in a foil bag (catalog #6288) with a desiccant pack (catalog #6289).

For more ELISA protocols and information, please visit www.immunochemistry.com.

SPECIFICATIONS:

- Clear liquid
- 1X ready to use
- pH 7.2-7.6

STORAGE:

- 24 months at 2-8°C
- 1 week at room temperature

SAFETY & USAGE:

- Contains ≤ 0.1% sodium azide
- SDS available at immunochemistry.com
- Not for human or drug use
- For research use only

Build a better assay with ELISA Solutions from ImmunoChemistry Technologies.

ImmunoChemistry TECHNOLOGIES LLC

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FAX 952-888-8988 **www. IMMUNOCHEMISTRY.COM**