

StabilGuard®

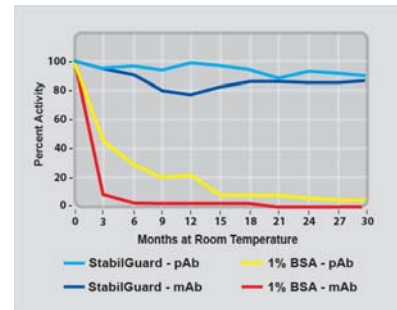
Immunoassay Stabilizer (BSA-Free)

9924 West 74th Street
Eden Prairie, MN 55344

StabilGuard® Immunoassay Stabilizer (BSA-Free) maintains the activity of antibodies and other biomolecules adsorbed or immobilized to solid substrates.

Stability Data

Stability tests were performed with StabilGuard stabilizer using either rabbit monoclonal or polyclonal IgG antibodies (see graph at right). Coated microtiter plates were stabilized with either StabilGuard or 1% BSA. The antibody-coated plates were dried and placed at room temperature. Percent retained activity was determined by comparing the activity of the aged antibody-coated microtiter plates to that of freshly coated plates. After 30 months in StabilGuard stabilizer at room temperature, the monoclonal antibody retained greater than 85% activity and the polyclonal antibody retained 90% activity.



Properties

Storage	Product should be refrigerated or stored at room temperature. Please note that SurModics Stabilization Products are shipped to customers at ambient temperature. Extensive stability studies have been performed to show that prolonged storage at ambient temperature will not affect the product quality or efficacy.
Bovine Protein	NO
Dry Weight (g/mL)	0.057 - 0.066
Product Buffer	PBS
pH	6.6 - 7.2
Preservative	StabilGuard stabilizer is filtered through a 0.1 micron filter; if desired, a preservative may be added. SurModics recommends the use of ProClin™ at the manufacturer's recommended use concentration.
Shelf Life	3 years
Acceptable Diluents	Deionized water or PBS

Applications

- StabilGuard stabilizer is easily incorporated into most assay protocols as your blocking solution.
- Minimal incubation is required for effective blocking. For blocking nonspecific sites on hydrophobic substrates, incubate for as little as five minutes and then proceed with your assay. Longer incubation times, while not necessary, are also not detrimental.
- For simultaneous blocking and stabilizing, apply StabilGuard stabilizer and incubate. Remove excess solution and completely dry the component. For maximum shelf life, store the stabilized component in a sealed container with desiccant.

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Recommendations for Use

The following are general guidelines only.

1. Immobilize or adsorb the primary protein according to the procedure optimized in your laboratory. Wash adequately to remove excess or weakly bound material.
2. Immediately after washing, add StabilGuard stabilizer to allow interaction with the entire protein-coated surface. For example, if you added 100 µl/well of the protein solution in step one, then add 100 µl/well StabilGuard stabilizer. Do not let coated components dry before adding StabilGuard stabilizer since drying contributes to the loss of protein activity.
3. Incubate for five minutes to two hours at room temperature. For most assays, StabilGuard stabilizer can replace the blocking solution.
4. Remove or aspirate the StabilGuard stabilizer, but do not wash.
5. To dry components for long-term storage, we recommend ONE of the following methods:
Note: Drying times should be optimized for each application.
 - Place plates in a humidity-controlled chamber (less than 15% humidity) until dry (2 to 24 hours); or
 - Dry 2 to 24 hours in a sealed desiccated container, such as a cabinet, jar, or plastic bag containing calcium sulfate or silica gel desiccant in amounts adequate for the size of the container; or
 - Dry plates at 30-40°C in a vacuum oven for two to four hours.
6. Immediately package the dried product in an airtight, moisture-proof container with a desiccant. This is especially important when the final product is stored in a humid environment or refrigerated (where condensation is likely to occur).

Technical Assistance

For technical inquiries, please email IVDtechsupport@surmodics.com or call (952) 829-2709.

Ordering Information

To place an order for this product, please contact our customer service at:

Tel: (952) 829-2709

Toll Free: (800) 755-7793

Fax: (952) 829-2743

Email: orders@surmodics.com

Web: www.surmodicsIVD.com

**StabilGuard Biomolecule Stabilizer
is available in the following size:**

1000 mL

SG01-1000