

Product Description:

Product Codes SG01-1000 and SG01-0050: StabilGuard® Immunoassay Stabilizer (BSA-Free) maintains the activity of antibodies and other biomolecules adsorbed or immobilized to solid substrates. It is easily incorporated into most assay protocols as the blocking solution, and minimal incubation is required. 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.

Hazard Identification:

Non-hazardous liquid. This product is non-flammable. May cause eye irritation.

Product Specifications and Storage:

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 shown that prolonged storage at ambient temperature will not affect the product quality or efficacy.
Bovine Protein	None
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® preservative at the manufacturer's recommended use concentration.
Shelf Life	3 years

Recommendations for Use: *The following are general guidelines only.*

1. Use StabilGuard stabilizer at 100% concentration.
2. Immobilize or adsorb the primary protein according to the procedure optimized in your laboratory. Wash adequately to remove excess or weakly bound material.
3. 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.
4. Incubate for five minutes to two hours at room temperature. For most assays, StabilGuard stabilizer can replace the blocking solution.
5. Remove or aspirate the StabilGuard stabilizer, but do not wash
6. 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.
7. 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).

Ordering Information:

North America

t: 952.829.2709

toll free: 800.755.7793

f: 952.829.2743

e: orders@surmodics.com

Outside North America

t: 952.829.2704

f: 952.829.2743

e: intl-orders@surmodics.com

For technical assistance: IVDtechsupport@surmodics.com



9924 West 74th Street

Eden Prairie, MN 55344

Toll-free: 800-755-7793

Phone: 952-829-2709

Fax: 952-829-2743

www.surmodicsIVD.com

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