

ANTIGENIX AMERICA Inc.
1-800-558-1008
PRODUCT INFORMATION SUMMARY

ELISA Coating Stabilizer

PRODUCT NUMBER EA100 250 mL (5X)
PRODUCT NUMBER EA150 100 mL (5X)

DESCRIPTION AND USE:

ANTIGENIX AMERICA's ELISA Coating Stabilizer is a proprietary formulation that is designed to stabilize adsorbed or immobilized proteins. For applications such as ELISA plate coating, the Stabilizer forms a protective film over the active antibody or antigen protein coated to each well. This Stabilizer helps to prevent conformational changes due to various denaturation effects. These include: Drying, Heat, Lyophilization, and interactions with hydrophobic surfaces. This protective film dissolves readily when samples are added to the microwells. The Coating Stabilizer does not interfere with immunochemical reactions.

ADVANTAGES:

* Enhances shelf life of components, including coated antibodies and antigens. Our laboratory QC analysis reveals that sixty (60) days after using the Coating Stabilizer, treated antibodies and antigens retained more than 80% activity at temperature of 37 Degrees C. This translates to expected stability of approximately eighteen (18) months at 4 Degrees C.

* Compatible with variety of surfaces, including polystyrene plates, beads, tubes, glass, filter paper, membranes and immunoblots.

* Replaces Blocking Solution. Our proprietary components contain an effective blocking agent. This allows user to perform both blocking and stabilizing steps at same time.

PROCEDURE:

- 1) Concentration of Stabilizer is shown on bottle (5X or 10X). Use distilled water to dilute required amount.
- 2) Immobilize or adsorb the primary protein (antibody or antigen) according to your own optimized laboratory procedure. Wash adequately.
- 3) Immediately after washing, add enough Coating Stabilizer solution to allow interaction with the entire protein-coated surface. For example, if you used 100 uL of protein to coat the well or surface (step 2), then use between 100-200 uL of Coating Stabilizer per well. DO NOT let coated components dry before adding Coating Stabilizer, since drying contributes to loss of activity.
- 4) Incubate for 60 minutes at room temperature.
- 5) Remove (aspirate) the Coating Stabilizer solution, but DO NOT wash.
- 6) Dry components for long-term storage. Recommended drying methods include: a humidity controlled chamber until dry; or at -25 Degrees C, in a vacuum oven, for 2 hours.
Note: Your drying times may vary due to individual conditions.
- 7) For optimum stability, package the plate or final product in an airtight container with a desiccant.

STORE COATING STABILIZER AT 4 Degrees C.

FOR RESEARCH USE ONLY. NOT INTENDED FOR THERAPEUTIC OR DIAGNOSTIC USE.