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Product Information

Coating Stabilizer and Blocking Buffer

Product Number **C 9483**

Storage Temperature 2-8 °C

Product Description

Coating Stabilizer and Blocking Buffer improves stability and function of antigens and other proteins bound to a solid phase. It can be used as supplied for very unstable proteins, or diluted 1:1 With currently-used blocking agent for less labile antigens and proteins.

Performance is verified by testing with a labile autoimmune antigen. The antigen is coated with the stabilizer according to procedure, dried, and incubated at 50 °C overnight. Stabilization of the antigen by this treatment is confirmed if the antigen maintains 80% mean activity when tested against panel sera.

Reagent

Product is supplied as a 0.2 µm filtered solution, pH 7.2. It contains an anti-microbial preservative, but contains no mercury or azide.

Storage/Stability

Store at 2-8 °C. Do not freeze.

Recommended Protocol for Stabilizing and Blocking Immobilized Proteins

1. Coat the surface with protein/antigen. Wash once to remove excess and weakly adsorbed protein.
2. Before the protein begins to dry, completely cover the protein-coated surface with the Coating Stabilizer and Blocking Buffer
3. Incubate at room temperature for 15 to 60 minutes.
4. Aspirate or drain the excess stabilizer from the surface. Do not wash the surface.
5. Dry the protein, preferably under vacuum. Recommended drying times are as follows:
 - a. Two hours under vacuum (<100 micron)
 - b. Overnight in a humidity controlled chamber that registers <15% humidity
6. Package the bound antigen/protein in a sealed airtight container with desiccant. The product is now stabilized for long-term storage at 2-8 °C.

DMG 10/01

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