



## StabilZyme™ Protein-Free AP Stabilizer Product insert

### Product number:

SAPF-0050 (50 mL)  
SAPF-1000 (1000 mL)  
SAPF-2000 (2000 mL)

### Product use:

StabilZyme™ conjugate/protein stabilizers protect the entire conjugate by preventing the loss of catalytic activity and maintaining the structural integrity of the protein in solution. These stabilizers allow for the storage of conjugated proteins at lower use concentrations, extended shelf life and increased signal-to-noise ratios for improved assay performance.

The StabilZyme Protein-Free AP Conjugate Stabilizer is optimized to maintain the conformation of antibodies/antigens conjugated to alkaline phosphatase (AP) in solution. The key benefits of the protein free formulation are the elimination of protein interference and cross reactivity with the purpose of reducing erroneous results within immunoassay applications.

Adding the conjugate directly into the StabilZyme Protein-Free AP Conjugate Stabilizer allows for stable storage of the conjugate at a working concentration and eliminates the need for subsequent dilutions.

### Product stability, storage and specifications:

Product stability	Stable for 2.5 years from date of manufacture
Storage	Products should be stored at 2-8°C or room temperature
Specification	Protein: None Product Buffer: MOPS pH: 6.3-7.3 Preservative: 0.02% methylisothiazolone and 0.02% bromonitrodioxane
Notes	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.

### Recommendations for use:

Aseptically pour off desired volumes of material needed for the application and allow the product to equilibrate at room temperature prior to use.

The following are general guidelines only.

- 1) Use StabilZyme Protein-Free AP stabilizer at 100% concentration for optimal stability and performance.
  - If necessary, adjust the pH of the solution to align with the properties of the protein for optimal performance.
- 2) Dilute the AP conjugate/protein/antibody coated particles to a working concentration in the Protein-Free AP Conjugate Stabilizer solution.
- 3) Use the diluted conjugate solution according to the standard assay protocol.
- 4) For optimal performance, store the conjugate solution at 2-8°C and protect from direct exposure to light.



**StabilZyme™ Protein-Free AP  
Stabilizer**  
Product insert

For technical assistance, email [ivdtechsupport@surmodics.com](mailto:ivdtechsupport@surmodics.com)

**Related products:**

<b>In-Solution Protein Stabilizers &amp; Diluents:</b>
StabilZyme™ AP Stabilizer (SA01)
Surmodics™ Assay Diluent (Protein-Free) (SM01)
MatrixGuard™ Assay Diluent (SM02)
<b>Blockers/Stabilizers:</b>
StabilGuard™ Immunoassay Stabilizer-BSA-Free (SG01)
StabilCoat™ Immunoassay Stabilizer (SC01)
StabilBlock™ Immunoassay Stabilizer (ST01)
<b>Substrates:</b>
BioFX™ AP Yellow One Component Microwell Substrate (pNPP)
BioFX™ Stabilizing Pellets for PNPS (STAB)
BioFX™ BCIP/NBT Blue One Component AP Membrane Substrate (BCIB)
BioFX™ BCIP/NBT Purple One Component AP Membrane Substrate (BCID)
BioFX™ Chemiluminescent Ultra-Sensitive AP Microwell/Membrane Substrate-450 nm (APU4)

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