

**StabilZyme™ NOBLE Stabilizer  
(BSA-Free)**

Product insert

**Product number:**SZ04-0050 (50 mL)  
SZ04-1000 (1000 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 NOBLE Stabilizer (BSA-Free) is optimized to maintain the conformation of antibody/antigen conjugates, antibody-coated particles and unmodified proteins that are commonly used in immunoassays. The key benefits of the BSA-free formulation are the elimination of protein interference and cross reactivity with the purpose of reducing erroneous results within immunoassay applications.

Adding the conjugate/protein directly into the NOBLE 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	Product should be stored at 2-8°C or at room temperature
Specification	Protein: BSA-Free Product Buffer: MOPS pH: 6.0-7.0 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 NOBLE 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 conjugate/protein/antibody coated particles to a working concentration in the StabilZyme NOBLE Stabilizer solution.
- 3) Use the diluted conjugate solution according to the lab defined protocol for the assay.
- 4) For optimal performance, store the conjugate solution at 2-8°C and protect from direct exposure to light.

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

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**Related products:**

<b>In-Solution Protein Stabilizers &amp; Diluents:</b>
StabilZyme™ HRP Conjugate Stabilizer (SZ02)
StabilZyme™ SELECT Stabilizer (SZ03)
StabilZyme™ Protein Free Stabilizer (SZPF)
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™ TMB Super Sensitive One Component HRP Microwell Substrate (TMBS)
BioFX™ TMB One Component HRP Microwell Substrate (TMBW)
BioFX™ TMB Conductivity One Component HRP Microwell Substrate (TMBC)
BioFX™ TMB Slow Kinetic One Component HRP Microwell Substrate (TMSK)
BioFX™ TMB Extended Range HRP Microwell Substrate (TMBX)
BioFX™ TMB Enhanced HRP Membrane Substrate (ESPM)
BioFX™ TMB One Component HRP Membrane Substrate (TMBM)
BioFX™ ABTS One Component HRP Microwell Substrate (ABTS)

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