

## Surmodics™ Assay Diluent (Protein-Free)

Product insert

### Product number:

SM01-0050 (50 mL)  
SM01-1000 (1000 mL)

### Product use:

The Surmodics™ Assay Diluent (Protein-Free) is a universal blocking agent that utilizes synthetic components to reduce matrix interference within immunoassay applications. Increased signal-to-noise ratios are produced when using the product with samples containing heterophilic antibodies (HAMA and rheumatoid factor).

### Product stability, storage and specifications:

Product Stability	Stable for 2 years from date of manufacture
Storage	Product should be stored at 2-8° C
Specifications	Protein: None Product Buffer: PBS pH: 6.6-7.2 Preservative: 0.02% methylisothiazolone and 0.02% bromonitrodioxane
Notes	Please note that this product is shipped at ambient temperatures. Contact Surmodics technical for further inquiries on product storage and stability.

### Recommendations for use:

Aseptically pour off the desired volume of material needed for the application and allow the product to equilibrate at room temperature prior to use. For optimal performance the product should be used undiluted.

Use of Surmodics Assay Diluent (Protein-Free) to proactively block interference within an ELISA:

#### Method 1:

- 1) Add 50-150 µL of the Surmodics Assay Diluent to all wells across the plate.
  - Volumes to be empirically determined by end user.
- 2) Add standards, controls and test samples to plate.
- 3) Run the ELISA according to the standard assay protocol.

#### Method 2:

- 1) Dilute standards, controls and test samples in the Surmodics Assay Diluent to pre-determined concentrations.
- 2) Dilute standards, controls and test samples in Surmodics Assay Diluent to pre-determined concentrations.
  - a. Common test sample dilution factors are 1:2 to 1:100
- 3) Run the ELISA according to standard assay protocol.

Surmodics Assay Diluent may be supplemented with additional components when a specific blocking mechanism is required.



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

### Related products:

<b>In-Solution Protein Stabilizers &amp; Diluents:</b>
StabilZyme™ AP Conjugate Stabilizer (SA01)
StabilZyme™ Protein-Free AP Stabilizer (SAPF)
StabilZyme™ HRP Conjugate Stabilizer (SZ02)
StabilZyme™ SELECT Stabilizer (SZ03)
StabilZyme™ NOBLE Stabilizer (SZ04)
StabilZyme™ Protein Free Stabilizer (SZPF)
MatrixGuard™ Assay Diluent (SM02)
<b>Blockers/Stabilizers:</b>
StabilGuard™ Immunoassay Stabilizer-BSA Free (SG01)
StabilCoat™ Immunoassay Stabilizer (SC01)
StabilBlock™ Immunoassay Stabilizer (ST01)
<b>TMB 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)

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Jun-2020

Product Code: SM01  
Doc # 7738, Revision 03

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