

MatrixGuard™ Diluent
Product Insert**Product number:**SM02-0050 (50 mL)
SM02-1000 (1000 mL)**Product use:**

MatrixGuard™ Diluent is a matrix blocking agent that utilizes proprietary components to eliminate heterophilic interferences such as HAMA and RF within immunoassay applications. The product was designed to be used within an existing assay protocol to remove matrix interferences. Increased signal-to-noise ratios are produced when using the product with samples containing heterophilic antibodies.

Product stability, storage and specifications:

Product stability	Stable for 3 years from date of manufacture when stored at 2-8°C
Storage	Product should be stored at 2-8°C
Specification	Protein: Bovine Product Buffer: MOPS pH: 6.9-7.9 Preservative: CMIT/MIT
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:**Method 1:**

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

Method 2:

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

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Additional considerations:

For technical assistance, email ivdtechsupport@surmodics.com

Related products:

Blockers/Stabilizers:
StabilCoat® Immunoassay Stabilizer (SC01)
StabilBlock® Immunoassay Stabilizer (ST01)
StabilGuard® Immunoassay Stabilizer-BSA Free (SG01)
In-Solution Protein Stabilizers & Diluents:
StabilZyme® Protein Free Stabilizer (SZPF)
StabilZyme® Protein Free AP Stabilizer (SAPF)
StabilZyme® AP Conjugate Stabilizer (SA01)
StabilZyme® HRP Conjugate Stabilizer (SZ02)
StabilZyme® SELECT Stabilizer (SZ03)
StabilZyme® NOBLE Stabilizer (SZ04)
Surmodics® Assay Diluent (Protein-Free)(SM01)
Substrates:
BioFX® TMB Supersensitive 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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