

## BioFX™ Borate Buffered Saline Milk Blocking Solution-10X Concentrate

Product insert

### Product number:

MLKB-0100-01 (100 mL)  
MLKB-1000-01 (1000 mL)  
Custom Sizes Available

### Product use:

BioFX™ Borate Buffered Saline (BBS) Milk Blocking Solution-10X Concentrate contains Non-Fat Dry Milk (NFDM) in a proprietary BBS solution that is supplied as a solution ready for dilution to specific application requirements. This product serves as a blocking reagent when diluted in reagent quality water. As a blocking reagent, the solution binds to the secondary protein binding sites following the binding of the primary antigen or antibody to the solid phase surface.

The solution also serves as a diluent for antigens and antibodies when diluted in a 4% solution of glycerol. As a diluent, the solution contributes to minimal non-specific interactions of secondary reagents with each other and with the primary solid phase binding sites.

### Product stability, storage and specifications:

Product stability	3 years from the date of manufacture.
Storage	2-8°C
Specification	This product may have a translucent milky color prior to dilution. To minimize risk of contamination, make fresh working solutions each day or store unused working solution at 2-8°C.

### Recommendations for use:

- 1) Dilute 1 mL of BBS Milk Blocking Solution-10X Concentrate in 9 mL reagent quality water to produce a 1X working solution.
- 2) Allow working solution to equilibrate to room temperature (25°C) prior to use.
- 3) To use as a blocking solution, cover the surface with appropriate working dilution of BBS Milk Blocking Solution after the target surfaces have been sensitized with primary solution.
  - Specific dilutions and blocking times will be dictated by individual preferences.

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

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Blocking Solution-10X Concentrate**

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**Related products:**

<b>In-Solution Protein Stabilizers &amp; Diluents:</b>
StabilZyme™ HRP Conjugate Stabilizer (SZ02)
StabilZyme™ SELECT Stabilizer (SZ03)
StabilZyme™ NOBLE Stabilizer (SZ04)
StabilZyme™ Protein Free Stabilizer (SZPF)
Surmodics™ Assay Diluent (Protein-Free) (SM01)
MatrixGuard™ 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 One Component HRP Microwell Substrate (TMBX)
BioFX™ TMB Enhanced HRP Membrane Substrate (ESPM)
BioFX™ TMB One Component HRP Membrane Substrate (TMBM)
BioFX™ AP Yellow One Component Microwell Substrate (pNPP) with Stabilizing Pellets (PNPS)

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