

**BioFX® Borate Buffered Saline Milk
Blocking Solution-10X Concentrate**

Product insert

Product number:MLKB-0100-01 (100 mL)
MLKB-1000-01 (1000 mL)**Intended 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.

Additional considerations:

For technical assistance, email ivdtechsupport@surmodics.com

Related products:

BioFX® TMB Enhanced HRP Membrane Substrate (ESPM)
BioFX® 450 nm Liquid Stop Solution for TMB Microwell Substrates (LSTP)
BioFX® TMB One Component HRP Microwell Substrate (TMBW)
StabilZyme® HRP Conjugate Stabilizer (SZ02)

All products listed are for research use or for further manufacturing into *in vitro* diagnostic reagents. The products are not intended for use in humans or animals. Sales are without any seller's warranty or representation, expressed or implied, by usage or otherwise; no claims beyond replacement of product not meeting specifications or refund of purchase price shall be allowed. All claims must be made within 30 days following date of delivery.