

HRP Membrane Substrate

Product insert

Product number:

TMBM-0100-01 (100 mL) TMBM-1000-01 (1000 mL)

Intended use:

BioFX® TMB One Component HRP Membrane Substrate is a ready-to-use solution containing 3,3',5,5'tetramethylbenzidine in a mildly acidic buffer. When this substrate system is reacted with peroxidase, an insoluble permanent dark blue reaction product is obtained.

Product stability, storage and specifications:

| | | |
|--------|--------------|---|
| Produ | ct stability | Stable for 2 years from date of manufacture when stored at 15-25°C. |
| | | Stable for 4 years when stored at 2-8°C. |
| Storag | ge | This substrate is light sensitive and should be protected from direct ultraviolet sources |
| Specif | ication | Unreacted substrate should be faint yellow to pink in appearance. Over time, some |
| | | flocculent material may appear; however, this does not affect product performance |

Recommendations for use:

The product should be allowed to equilibrate to room temperature (25°C) prior to use.

- 1) Cover the membrane surface with an ample amount of substrate and incubate for 5-20 minutes.
 - The substrate system will react with sites on the membrane containing peroxidase producing an insoluble permanent dark blue reaction product.
 - The reaction should be monitored and read before the background color becomes too intense which may result in diminished contrast between the positive and background staining.
- 2) Stop the reaction by rinsing the membrane with reagent quality water.

Additional considerations:

Dilution of the substrate is not recommended. It is recommended that the antibodies or conjugates be diluted to reduce the intensity of the reaction.

For technical assistance, email ivdtechsupport@surmodics.com

Related products:

04-Apr-2015

BioFX® TMB Enhanced HRP Membrane Substrate (ESPM) BioFX® Chemiluminescent Ultra-Sensitive HRP Membrane Substrate (CHMM)

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.