

# TMB Blotting Solution (One Component)

## Product Description

*Ultra-Sensitive TMB based substrate for chromogenic staining in blotting techniques*

|                        |                 |               |            |
|------------------------|-----------------|---------------|------------|
| <b>Product number:</b> | 295881, 25ml    | 295882, 100ml | 295883, 1L |
| <b>Storage:</b>        | Store at 2-8°C. |               |            |

## INTRODUCTION

TMB Blotting Solution is a ready to use solution. It contains 3,3',5,5'-tetramethyl-benzidine in a mildly acidic buffer in a one bottle format. Unreacted substrate should be faint yellow to pink in appearance. The substrate is ultra sensitive and develops an insoluble, permanent dark blue reaction in the presence of peroxidase.

This formulation is optimized for membrane applications and is not recommended for microwell or immunohistochemical applications. It offers a high signal-to-background ratio, making it resistant to fading.

## WORKING PROCEDURE

TMB Membrane Substrate is supplied as a one-component ready to use solution.

1. This product should be at room temperature (25°C) before use.
2. Cover membrane surface completely with substrate. The substrate system will react with sites on the membrane containing peroxidase, producing an insoluble, permanent dark blue reaction product.
3. To stop the reaction, rinse membrane with reagent quality water.
4. The reaction should be monitored and optical density (OD) determined before background color becomes too intense resulting in diminished contrast between positive and background staining.

### Notes:

- Dilution of the substrate is not recommended.
- To reduce the intensity of a reaction, it is recommended that the antibodies or conjugates be diluted.

## RECOMMENDED HANDLING AND STORAGE

The TMB substrates are extremely sensitive to certain handling and storage conditions. Avoid exposure to light, heat and contamination with metal ions or peroxidase. Redispense only into bottles made of High Density Polyethylene (HDPE), amber colour, i.e. Nalgene 2004, and keep the substrate at 4°C in the dark. (Dispensing instruction sheet is available).

This formulation contains NO DMF or DMSO.

For any information, please contact Uptima, or your local distributor.

213 av.J.F.Kennedy, 03103 Montluçon, fax : +33(0)4 70 03 82 60, hotline Interbiotech : +33(0)4 70 03 73 06

Rev.: N09D

Contact your local distributor

[uptima@interchim.com](mailto:uptima@interchim.com)

Uptima, powered by  
 213 Avenue J.F. Kennedy - BP 1140  
03103 Montluçon Cedex - France  
Tél. 04 70 03 88 55 - Fax 04 70 03 82 60