

## TMB Substrate Solution (For Western Botting)

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
TMB Substrate Solution (For Western Blotting)	ML169-5ML	5 ml
	ML169-50ML	50 ml
	ML169-50ML	100 ml

**Introduction:** TMB Substrate Solution (For Western Blotting) is a single-component horseradish peroxidase (HRP) substrate for Western blotting and immunohistochemistry experiments. This product is supplied as a ready-to-use substrate optimized for use with either nitrocellulose or PVDF Western blotted membranes.

**Description:** The colorless, highly sensitive TMB Substrate Solution (For Western Blotting) contains soluble TMB (3,3',5,5'-tetramethylbenzidine), which quickly reacts with horseradish peroxidase (HRP) enzyme to produce an insoluble and stable dark blue precipitate. This colorimetric and precipitating chromogenic substrate has been optimized to reduce membrane background and compatible with both nitrocellulose and PVDF membranes. TMB Substrate Solution (For Western Blotting) is not compatible with ELISA applications due to the formation of insoluble end product.

**Application:** TMB Substrate Solution (For Western Blotting) can be used in chromogenic Western blot and immunohistochemistry detection.

**Composition:** TMB Substrate Solution (For Western Blotting) contains soluble TMB (3,3',5,5'-tetramethylbenzidine) in a proprietary solution.

### Procedure:

1. During Western blotting the HRP-conjugates are bound to the blot after the secondary antibody incubation.
2. Immerse the membrane in enough TMB solution to cover the membrane's surface. Typically 3 ml is enough to cover a mini-gel of 10 cm X 10 cm.
3. Expose the membrane to the TMB solution at room temperature for 5-10 minutes and wait for the appearance of coloured protein bands with low background.
4. Remove the membrane and wash with distilled water for a minute and dry.

**Storage conditions:** TMB Substrate Solution (For Western Blotting) has to be stored at 2 - 8°C.

Please refer disclaimer Overleaf.

**Technical Assistance:**

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).



Consult instructions for use



Do not use if package is damaged



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