

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 ML169-50ML ML169-100ML	5 ml 50 ml 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.

Please refer disclaimer Overleaf.

Storage conditions:

TMB Substrate Solution (For Western Blotting) has to be stored at 2-8°C. Under recommended condition, the solution is stable for 24 months.

Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Performance and Evaluation

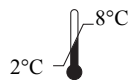
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The TMB Substrate Solution (For Western Blotting) is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

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.



Storage temperature



Do not use if package is damaged



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