

## TMB Substrate Solution (For ELISA)

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
TMB Substrate Solution (For ELISA)	ML168-5ML	5 ml
	ML168-50ML	50 ml
	ML168-100ML	100 ml

### Introduction

TMB Substrate Solution (For ELISA) is the most prevalent chromogenic substrate for detecting horseradish peroxidase (HRP) in ELISA. The TMB Substrate Solution (For ELISA) is one-component substrate and is recommended for ELISA (micro well) procedures and not recommended for membrane applications. TMB Substrate Solution (For ELISA) is supplied as a 10X stock.

### Description

TMB (3, 3', 5, 5' - Tetramethylbenzidine) is a chromogenic substrate used to visualize antibody reactivity in ELISA experiments. TMB Substrate Solution (For ELISA) can be used in micro well ELISA for HRP detection. In the presence of peroxidases, TMB acts as an electron donor for the conversion of peroxides to water, developing soluble blue reaction product that may be read at 370 or 655 nm. This reaction can be stopped with acid, forming a yellow reaction product that may be read at 450 nm.

### Features

- Ready-to-use
- Highly sensitive

### Contents

TMB Substrate Solution (For ELISA) contains soluble TMB (3,3',5,5'tetramethylbenzidine) in a proprietary solution.

### Intended Use

Recommended for use in peroxidase-based enzyme immunoassays (microwell ELISA)

### Storage conditions

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

**Note:** TMB Substrate Solution (For ELISA) is light-sensitive and should be protected from direct sunlight or UV sources.

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Please refer disclaimer Overleaf.

## General Preparation Instructions

TMB Substrate Solution (For ELISA) is ready-to-use supplied as 10X stock. This product is to be diluted from 10X to 1X with sterile distilled water\* prior to use.

\*Recommended to use Molecular Biology Grade Water (Product code: ML064).

## Warning and Precautions

Read the procedure carefully before beginning the protocol. TMB Substrate Solution (For ELISA) is highly sensitive to oxidation, hence it should be protected from direct contact with any source of contamination. Wear protective gloves/protective clothing/eye protection/face protection. Follow good laboratory practices while handling samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

## Limitations

- TMB Substrate Solution (For ELISA) is not recommended for histochemistry or blotting.
- This product is sensitive to contamination from a variety of oxidizing agents

## Performance and Evaluation

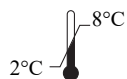
Performance of the solution is expected when the solution is used as per the protocol mentioned in the product insert within the expiry period when stored at recommended temperature.

## Safety Information

The 10M Sodium hydroxide 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](mailto:mb@himedialabs.com).



Storage temperature



Do not use if package is damaged



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### Disclaimer :

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