

Datasheet for TMBE-20L**TMB ELISA Peroxidase Substrate (BULK ORDER)****Overview**

Description:	TMBE ELISA Peroxidase Substrate (BULK ORDER) - TMBE-20L
Item No.:	TMBE-20L
Size:	10 x 2 L
Applications:	ELISA

Product Details

Background:	TMBE (3,3',5,5'-Tetramethylbenzidine) is a colorimetric substrate for peroxidase (HRP)-based enzyme immunoassays, notably ELISAs, and is known for producing a blue color that changes to yellow upon stopping the reaction with sulfuric acid. The color change is quantifiable at 450 nm. TMBE's high sensitivity makes it ideal for detecting low concentrations of analytes.
Synonyms:	TMBE Peroxidase Substrate, TMB ELISA Peroxidase Substrate

Target Details

Purity/Specificity:	pH: 4.0 +/- 0.05 Stability @ 18° to 26°C: PASS Stability @ 4°C: PASS QC Raw Material: PASS Absorbance check of final product: PASS Performance Data per ELISA: PASS
Relevant Links:	TMBE SDS

Application Details

Tested Applications:	ELISA
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Application Note:	TMB ELISA Peroxidase Substrate will produce a soluble blue end product read at 370 nm or 655 nm. TMB ELISA Peroxidase Substrate incubation time will vary depending on the assay conditions. No dilutions are required, TMB ELISA Peroxidase Substrate comes ready to use.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1X

Formulation

Physical State:	Liquid - clear to very light blue colored liquid
Concentration:	1X
Stabilizer:	Proprietary buffer with enhancer

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at 4° C prior to opening. Protect from moisture and light. No special shipping conditions or precautions are required.
Expiration:	Expiration date is two (2) years from date of receipt.

Images

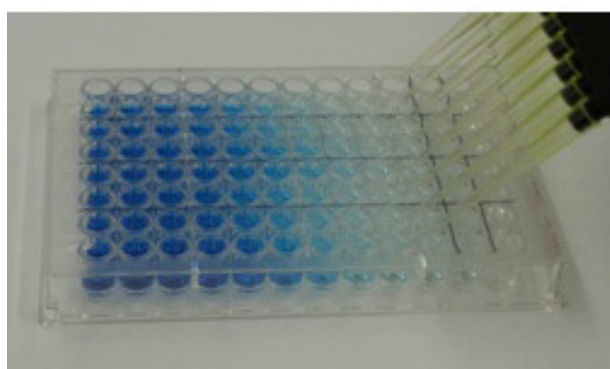


Bottle
 TMB ELISA Peroxidase Substrate



Bottle

The Rockland Immunochemical family of ELISA buffers includes coating buffers, blocking buffers, stabilization buffers, and substrates. Rockland TMBE ELISA Peroxidase Substrate is specially formulated for stability and sensitivity in HRP based ELISA systems.



ELISA

Rockland Immunochemicals produces a wide variety of buffers and substrates for use in ELISAs. Antigen was diluted in ELISA Microwell Coating Stabilizer (p/n MB-063-0100) added to the microwell plate and incubated overnight at 4°C. The plate was then blocked with ELISA Microwell Blocking Buffer with Stabilizer (p/n MB-064-1000) for 2 hours. The primary antibody was diluted in PBS Fish Gel Concentrate (1:10)(p/n MB-066-0100), added to the plate, and allowed to incubate 1 hour at room temperature. HRP conjugated secondary antibody was diluted in HRP Conjugate Stabilizer (p/n MB-060-0100), added to the plate, and allowed to incubate for 30 minutes at room temperature. TMB ELISA Peroxidase Substrate (p/n TMBE-1000) was added to the plate and allowed to incubate for 30 minutes at room temperature. The reaction was then stopped with 1M HCl and read at 450nm.

References

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