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Datasheet for TMBE-RED-0100

TMB Prestained Red ELISA Peroxidase Substrate

Overview

Description:	TMB Prestained Red ELISA Peroxidase Substrate - TMBE-RED-0100
Item No.:	TMBE-RED-0100
Size:	100 mL
Applications:	ELISA

Product Details

Background:	TMB (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.
Synonyms:	TMB Prestained Red ELISA Peroxidase Substrate, TMB ELISA Peroxidase Substrate

Target Details

Purity/Specificity:	pH: 4.0 +/- 0.2 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 RED SDS

Application Details

Tested Applications:	ELISA

Application Note:	This proprietary formulation of TMB ELISA Peroxidase Substrate is red in color, enabling users to have visual certainty that the product was applied equally. The color change is quantifiable at 370 nm or 655 nm.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1X

Formulation

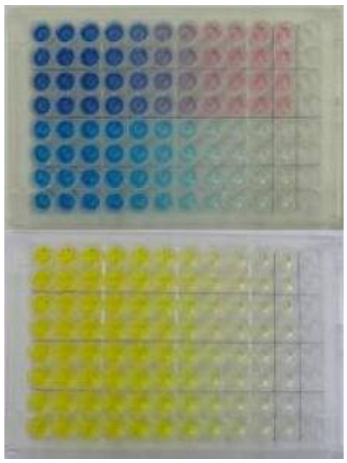
Physical State:	Liquid - light red colored
Concentration:	1X
Stabilizer:	Proprietary buffer with enhancer

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 Prestained Red ELISA Peroxidase Substrate



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 Prestained Red ELISA Peroxidase Substrate (p/n TMBE-RED-0100) (Rows A-D) and TMB ELISA Peroxidase Substrate (p/n TMBE-1000) (rows E-H) were 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. The Red TMBE has comparable background to Rockland's regular TMBE.

References

- Sur M et al. Induction of Autoimmune Myocarditis in Diversity Outbred Mice. *Biology (Basel).* (2026)

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