Creative Enzymes®

3,3',5,5'-Tetramethylbenzidine (TMB) Liquid Substrate System

Cat. No. CSUB-0453

Lot. No. (See product label)

Introduction

Applications	TMB is a substrate for horseradish peroxidase. Forms a soluble blue end product that may be read at 370 nm or 655 nm. The TMB reaction may be stopped with 0.5 M H2SO4, resulting in a yellow color, and read at 450 nm. Recommended for ELISA (microwell) procedures, not recommended for membrane applications.3,3',5,5'-Tetramethylbenzidine has been used in a study to demonstrate that by measuring substrate absorption values off the absorption maximum, the measuring range of any immunoenzymometric assay can be extended significantly without jeopardizing assay characteristics. 3,3',5,5'-Tetramethylbenzidine has also been used in a study to understand the formation of CuS concave superstructures with peroxidase-like activity.
Synonyms	TMB

Product Information

Quality Level	PREMIUM
Substrates	Peroxidase Substrates

Storage and Shipping Information

Storage	2-8°C
Shipping Conditions	wet ice