Creative Enzymes®

3,3',5,5'-Tetramethylbenzidine

Cat. No. CSUB-0445

Lot. No. (See product label)

Introduction

Applications	3,3',5,5'-Tetramethylbenzidine (TMB) is a noncarcinogenic substitute (Ames test negative) for benzidine suitable as peroxidase substrate for use in ELISA procedures. The substrate produces a soluble end product that is pale blue in color and can be read spectrophotometrically at 370 or 620-650 nm. The TMB reaction may be stopped with 2 M H2SO4 (resulting in a yellow color), and read at 450 nm. A sensitive and specific reagent for the detection of blood, assay of hemoglobin, assay of peroxidases.
Synonyms	BM blue; Sure Blue TMB; TMB Blotting Plus; TMB substrate; TMB

Product Information

EC Number	259-364-6
CAS No.	54827-17-7
Molecular Weight	240.34
mp	168-171 °C(lit.)
Substrates	Peroxidase Substrates

Storage and Shipping Information

Storage	2-8°C