

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