

## 3,3',5,5'-Tetramethylbenzidine

Cat. No. CSUB-0444

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 H<sub>2</sub>SO<sub>4</sub> (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

#### Form

tablet

#### 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