

### ★ Storage

Stable at Room Temperature for 12 months  
Long term storage at 2-8°C for 36 months

### ★ Contents

- Product Manual
- TMB Substrate Solution, High Sensitivity

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

### ★ Introduction

This liquid substrate for peroxidase consists of tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form (2.08mm/L). The reagent has been specifically formulated for measuring peroxidase in ELISA systems. This reagent is stable for long-term storage and provides sensitivity equal to, or greater than, that of OPD.

### ★ Peak Wavelengths

650 nm, unstopped, blue reaction product  
450 nm, stopped, yellow reaction product

### ★ Usage

For use in ELISA procedures.

### ★ Procedure

1. Add 50 - 100 ul per well in microtiter plates.
2. All reaction to continue approximately 15 minutes (Range 5 - 60 min)
3. Add an equal volume of Stop Buffer. Stopped reactions show increased absorbance values of approximately 2-fold over unstopped reactions.
4. When used in conjunction with GenDEPOT's proprietary Stop Solution, stopped reactions are stable for at least 30 minutes to several hours depending on the level of peroxidase activity. Intense reactions may precipitate on prolonged standing. This can be prevented by reducing concentration of antibody/conjugate.

### ★ Precautions

Do not pipet reagents by mouth. Avoid contact with skin and eyes. In case of contact, flush with plenty of water.  
Dispose of reagents according to local regulations. If disposed of in the sink, flush with plenty of water.

### ★ Related Products

Product Name	Cat No
TMB Substrate Solution, Standard	T3550
TMB Stop Buffer	T3552