

# TMB Substrate

**Cat. No. GTX14696**

**Applications** ELISA

**Package**  
500 ml, 100 ml

## PRODUCT

### Summary

The GTX14696 is supplied as a ready-to-use solution. Peroxidase reacts with the substrate solution to produce a soluble blue reaction product that can be read at 370 nm or 620-650 nm for ELISA applications. Stop solutions can be added to prevent further color development and reading the absorbance values at the desired wavelengths. A soluble yellow product develops after stopping and stabilizing with a 450 nm stop solution. The developing soluble blue product can be stopped and stabilized by using a 650 nm stop solution.

## Applications

### Application Note

Allow the substrate to equilibrate at room temperature (~25°C) prior to use.

End-Point Assays:

- (1) Add 100 µL of equilibrated substrate solution to each microwell.
- (2) Allow the substrate reaction to develop a blue soluble reaction by incubating for the optimal time determined for the assay.
- (3) The reaction should be stopped by using a 450 nm or 650 nm stop solution.
- (4) Measure the absorbance at 450 nm or 650 nm of each microwell within 1 hour.

Kinetic Assays:

- (1) Add 100 µL of equilibrated substrate solution to each microtiter plate well.
- (2) Measure the absorbance at 650 nm at multiple time points.
- (3) Calculate the rate of absorbance change for each microwell.

## Properties

**Form** Liquid

**Storage** Stable for 2.5 years at 4°C. Protect from light.

### Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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