

TMB Substrate Solution

'Ready to Use'

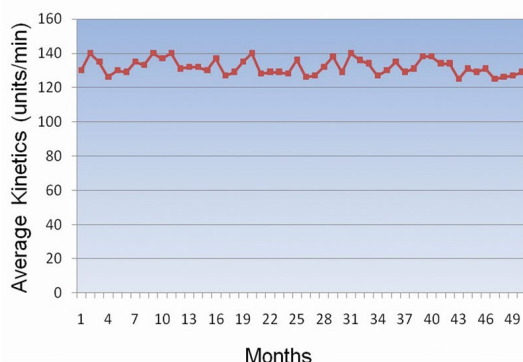
Substrate and Assay Reagents, Reagents for Assay Development

Product Information

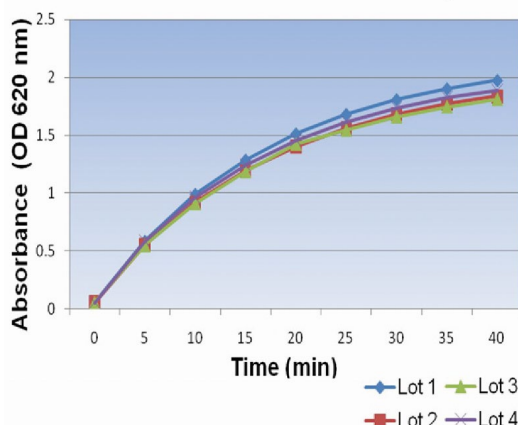
Product No.: T118

Storage: Sterile 2-8°C

Leinco TMB HRPO Microwell Substrate
50 Month Stability Study
(Average of 5 Lots)



Leinco TMB HRPO Microwell Substrate
Demonstrated Lot to Lot Consistency



Product Description

Background:

TMB Microwell Substrate (3,3',5,5' tetramethylbenzidine) is a soluble substrate used with the enzyme horseradish peroxidase (HRPO) designed for various qualitative or quantitative immunoassays but not recommended for membrane or immunohistochemical applications where a precipitating reaction product is required. Initially, the substrate should be colorless or slightly yellow in color and will be stored in a mildly acidic buffer. TMB Microwell Substrate turns a deep blue color when oxidized with hydrogen peroxide catalyzed with horseradish peroxidase labeled conjugates with absorbencies at 370 nm or in a range of 620 nm to 650 nm. The color is changed to a bright yellow if an acidic stop reagent such as HCl or sulfuric acid is used. The absorbance should be read at 450 nm if the reaction is stopped which increases the sensitivity 2-4 fold.

Leinco Technologies' TMB Microwell Substrates exhibit superior kinetic performance, sensitivity and lot to lot consistency as compared to other vendors. The outstanding shelf life of at least forty eight months for the TMB Microwell Substrate makes this reagent ideal for long term use of the same manufacturing lot.

Storage and Stability

The high quality of the substrate can be preserved by storing at temperatures between 2 – 8°C. The substrate should not be frozen and should be protected from direct light by storing in amber bottles.

Do Not Freeze

Country of Origin

USA