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TMB 1-Component HRP substrate

Catalog No.: A50002-100 Size: 100 mL

Description:

TMB 1-Component HRP microwell substrate contains 3,3',5,5'-tetramethylbenzidine and hydrogen peroxide producer. The substrate product is designed as an easy to use in peroxidase-based, colorimetric techniques. It develops a deep blue soluble product (an absorbance peak at around 630 nm) when reacted with horseradish peroxidase labeled conjugates in microwell plates or tubes, and a yellow soluble product (an absorbance peak at around 450 nm) upon acidification. It is suitable for qualitative or quantitative microwell / tube immunoassays.

The TMB 1-Component HRP microwell / tube substrate is ready to use, stable for more than 18 months at stored at 4° C with tightly capped. Re-dispense is suggested into amber Nalgene HDPE bottles only.

This product is non carcinogenic.

Materials Provided:

All solutions are ready to use.

- | | |
|----------------------------------|--------|
| 1. Insert | 1 copy |
| 2. TMB 1-Component HRP substrate | 100 mL |

Methods (Recommended):

Pour out needed amount of the reagent of TMB 1-Component HRP microwell / tube substrate into a plastic reservoir. Do not return excess TMB 1- Component HRP microwell / tube substrate back to the primary container.

(1) Endpoint Assay

In endpoint assay of microwell / tube immunoassays, 100 uL of the TMB 1- Component substrate is added to each microwell / tube, and tap gently to mix. Incubation times will vary depending on your assay. The substrate reaction can be stopped by adding 50 uL of stop solution (0.35 M acid). After stopped, a soluble yellow product develops which is read at wavelength 450 nm.

(2) Kinetic Assay

In kinetic assay of microwell / tube immunoassays, 100 uL of the TMB 1- Component reagent is added to each microwell / tube. A soluble blue reaction product can be read in a wavelength range of 620 nm to 650 nm as the color develops.

Made in the U.S.A.