



1499 Rollins Road, Burlingame, CA 94010, USA
E-mail: info@aoxre.com; Tel.: +1(650)278-8908
www.aoxre.com

HRP assay kit with TMB substrate reagent

Catalog No.: A5006-Wells

For 384 tests

Description:

TMB 1-Component HRP 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.

This product is non carcinogenic.

Kit Contents:

All solutions are ready to use.

(1) TMB 1-Component HRP substrate	2 X 25 mL
(2) Stop solution (0.35M Acid)	25 mL
(3) 16 Well Flt Btm Immuno Module w/Frm (Polystyrene)	4 X 96 wells
(4) Sealing Tape	16

Storage Condition:

Upon receipt store kit at 4-8°C. Kit is shipped at ambient temperature.

Methods (Recommended):

Solutions above should be placed at room temperature for at least 30 minutes prior to use. Pour out needed amount of the reagent of TMB 1-Component HRP substrate into a plastic reservoir. Do not return excess TMB 1- Component reagent 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 well / 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 substrate is added to each well. 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.