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## Stop Solution for TMB 1-Component HRP substrate

Catalog No.: A50005-50

Size: 50 mL

### Description:

Stop solution containing 0.35 M acid is for use with the ELISA 3,3',5,5'-tetramethylbenzidine (TMB). In the presence of horseradish peroxidase (HRP) enzyme conjugates, TMB reacts with peroxide under peroxidase to produce a deep blue byproduct having an absorbance peak at around 630 nm. Addition of acid stop solution changes the blue color to yellow color having maximum absorbance at 450 nm. The color density is proportional to the amount of HRP activity, which in turn is related to the levels of target analyte in an optimized ELISA procedure. It is suitable for qualitative or quantitative microwell / tube immunoassays.

### Materials Provided:

All solutions are ready to use.

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|--------------------------------|--------|
| 1. Insert                      | 1 copy |
| 2. Stop solution (0.35 M Acid) | 50 mL  |

### Storage Condition:

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

### Methods (Recommended):

After 100 uL TMB 1-Component is added into microwell / tube, the substrate reaction can be stopped by adding 50 uL of stop solution (0.35 M Acid), and the stable yellow product can be read at wavelength 450 nm.

### Stability

When open and protected from any contamination, this product solution is stable until the expiration date printed on the table.

Made in the U.S.A.