

TMB Soluble Reagent (High Sensitivity)

Description: This liquid substrate for peroxidase consists of tetramethylbenzidine (TMB) plus dilute hydrogen peroxide in a single-reagent stabilized form. The reagent has been specifically formulated for measuring peroxidase in ELISA systems. This reagent is stable for long-term storage and provides sensitivity equal to, or greater than, that of OPD.

Form: 3,3',5,5'-tetramethylbenzidine

Contents: TMB in a dilute organic solvent with buffer, pH 6.0+ 0.5. Hydrogen peroxide is added at a concentration of 0.03%

Stability: Reagents are stable for at least 12 months when stored at room temperature, or 18 months when stored at 2-8°C. Avoid contamination of reagents with labware which has not been thoroughly cleaned. A slight yellow tinge may develop over time. This does not affect product performance. Do not use if solution darkens.

Uses/Limitations: Not to be taken internally.
 For In-Vitro Diagnostic use.
 Immunological applications.
 Do not use if reagents become cloudy.
 Do not use past expiration date.
 Use caution when handling reagents.
 Non-Sterile.



Ordering Information and Current Pricing at www.scytek.com


Availability:	<u>Item #</u>	<u>Volume</u>
	TM4125	125 ml
	TM4500	500 ml
	TM4999	1000 ml

Storage: Store at 2-8°C.

Precautions: Avoid contact with skin and eyes.
 Harmful if swallowed.
 Do Not pipette reagent by mouth.
 Follow all Federal, State, and local regulations regarding disposal.

Activating Agents: Peroxidase


Light Sensitivity: Negligible for short exposure times

Storage: 2° C  8° C

- Reaction Volume:** 50 - 100 ul per well in microtiter plates
- Reaction Time:** Approximately 15 minutes (Range 5 - 60 min.)
- Reaction pH:** Approximately pH 6.0 (Range 5.0 - 7.0)
- Reaction Temperature:** Room temperature
- Peak Wavelengths:** 650 nm, unstopped, blue reaction product
450 nm, stopped, yellow reaction product
- Stopping Solution:** Equal volume of Stop Buffer (cat# TSB). Stopped reactions show increased absorbance values of approximately 2-fold over unstopped reactions.
- Reaction Stability:** Stopped reactions are stable for at least 30 minutes to several hours depending on the level of peroxidase activity. Intense reactions may precipitate on prolonged standing. This can be prevented by increasing concentration of stopping solution.

References:

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Storage: 2° C  8° C