

TMB Substrate Solution**Product Number:** N301**Lot Number:** MG157662**Description:** TMB Substrate Solution Ready-to-use substrate system containing 3,3',5,5' - tetramethylbenzidine (TMB).

N301 has replaced N300, TMB Substrate Solution. The performance of N301 is comparable to N300, however slight variations in standard curve characteristics may be noted in some assay procedures. Endogen recommends that each laboratory evaluate the performance of N301 in its assay procedures.

Size: 100 ml**Expiration Date:** May 9, 2015**Procedure:**

1. Add 100 μ l of TMB substrate to each well containing peroxidase.
2. Incubate at room temperature for 15 to 30 minutes.
3. Stop color reaction by adding 100 μ l stop solution to each well. Our recommended stop solution is 0.18M H_2SO_4 .
4. Read absorbance at 450nm.

Application: ELISA: Recommended for peroxidase-based enzyme immunoassays. Upon oxidation, TMB forms a water soluble blue reaction product that can be measured spectrophotometrically at 650nm. Upon acidification, the reaction product becomes yellow with an absorbance peak at 450nm.**Storage:** Shipped on cold packs. Store at 2-8°C immediately upon receipt. Do not use product beyond the stated expiration date.**Precautions:** This product is sensitive to contamination from a variety of oxidizing agents. To avoid contamination and premature expiration, avoid contacting TMB solution with any potential source of contamination.

Never pipette directly from the bottle. Pour out required amount onto a tube and pipette from the tube. Do not return excess TMB to primary storage container.

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