

**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  $\mu$ 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  $\mu$ l stop solution to each well. Our recommended stop solution is 0.18M H<sub>2</sub>SO<sub>4</sub>.
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.

This product ("Product") is warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts ("Documentation") and to be free from defects in material and workmanship. Unless otherwise expressly authorized in writing, Products are supplied for research use only. No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the original purchaser of the Product ("Buyer").

**No other warranties, express or implied, are granted, including without limitation, implied warranties of merchantability, fitness for any particular purpose, or non infringement. Buyer's exclusive remedy for non-conforming Products during the warranty period is limited to replacement of or refund for the non-conforming Product(s).** There is no obligation to replace Products as the result of (i) accident, disaster or event of force majeure, (ii) misuse, fault or negligence of or by Buyer, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage and handling of the Products.

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