

PRODUCT INFORMATION

Product : DeQuanto® Super Sensitive TMB Substrate (1X), Ready to Use for ELISA
Catalog No. : AR1014-100ML
Form : Liquid
Volume : 100 ml
Storage : 2-8 °C
Storage Temperature: 2-8°C
Shipping Temperature: Room Temperature

PRODUCT DESCRIPTION

DeQuanto® Super sensitive TMB Substrate is a single-component, ready-to-use proprietary formulation containing 3,3',5,5'-tetramethylbenzidine (TMB). It has wide application as chromogenic substrate for Peroxidase (HRP) labelled conjugates. Super Sensitive TMB substrate provides high signal and high sensitivity for ELISA. The Super Sensitive TMB Substrate produces a soluble blue colour with HRP, which can be read at 620-650 nm. This reaction can be stopped with 2N H₂SO₄ or 2N HCl or 1M H₃PO₄. The optical density of the resulting colour solution can be read at 450 nm in an ELISA reader/spectrophotometer.

DIRECTION FOR USE

- Reagent is clear to pale blue solution.
- Bring the super sensitive TMB solution to Room temperature before use.
- Pipette 100 µl/well Super Sensitive TMB substrate into each well of the microtiter plate.
- Incubate the plate in dark for 15-30 minutes and monitor the colour development.
- Read the blue colour at 620-650 nm in ELISA reader/spectrophotometer.
- Stop the reaction using 2N H₂SO₄ or 1M H₃PO₄.
- Read optical density at 450 nm after stopping the reaction. This yellow colour is stable for 30 minutes.

PRECAUTIONS

- Do not dilute the reagent.
- Avoid direct exposure to light.
- Avoid opening container for longer time.
- MSDS available upon request.
- Research use only NOT for Human or Drug use.

REGULATORY

For research use only (RUO)

*The end user must determine the suitability of the product for its particular use. For any technical query, mail us at info@denovobiolabs.com;
Research Purpose Only*