



Immuno Reagent

PUREGENE

TMB, Ready-to-use Substrate



Features

- TMB ready-to-use liquid substrate
- Substrate for assays using horseradish peroxidase (HRP) conjugate
- Low background
- High sensitivity
- Long stability

Product description

3, 3', 5, 5'-Tetramethylbenzidine (TMB) substrate is a ready-to-use liquid substrate for HRP, specially developed for ELISA procedures. TMB Substrate turns deep blue (620-650 nm) in the presence of a peroxidase-labelled conjugate. Colour development can be stopped by adding an equal volume of 0.5 M H_2SO_4 which turns the substrate yellow (450 nm).

One bottle of TMB consists of a solution containing proprietary ready-mixed chromogen substrate reagents, pH 3.8. The solution has a straw-yellow colour at room temperature and a light greenish tint when stored at 4°C. The colour returns to normal when warmed overnight to room temperature.

For laboratory use only.

Applications

- Recommended for ELISA procedures

Directions for use

No additional mixing reagents are required. The material is not dependent on room temperature. Never pipette directly from the bottle. Do not leave the cap off.

Shipping and Storage

The product is stable for 2 years after production date when stored at 4°C. Prolonged exposure to light is not recommended. Store in an amber bottle. As some metal ions can oxidize TMB, allow only glass or plastic to come in contact with the substrate.

Specifications

Appearance	Colourless liquid at room temperature. Slightly green tint when stored at 4°C.
pH	3.8 ± 0.05
Composition	TMB (3,3', 5,5' - Tetramethylbenzidine) substrate H_2O_2 and buffer
Storage	4°C in dark
Shelf life	2 years

Ordering information

Article no.	Product name	Pack size
PG-446-100ml	TMB Ready-to-use Substrate	100ml



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