



IMMUNO REAGENTS

EC-Blue Enhanced™ Substrate (TMB)



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. EC-Blue Enhanced™ 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 H₂SO₄ (Article no. 10-9500-50), which turns the substrate yellow (450 nm).

One bottle of EC Blue 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 ₂ O ₂ and buffer |
| Storage | 4°C in dark |
| Shelf life | 2 years |

Certifications

Medicago's laboratories and manufacturing site in Uppsala are ISO 9001:2008 and ISO 13485:2003 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility



Ordering information

| Article no. | Product name | Pack size |
|--------------|-----------------------------|-----------|
| 10-9405-1000 | EC-Blue Enhanced™ Substrate | 1000 ml |
| 10-9405-250 | EC-Blue Enhanced™ Substrate | 250 ml |
| 10-9405-100 | EC-Blue Enhanced™ Substrate | 100 ml |
| 10-9405-5000 | EC-Blue Enhanced™ Substrate | 5 litre |
| 10-9405-0 | EC-Blue Enhanced™ Substrate | 25 litre |