



# 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 H<sub>2</sub>SO<sub>4</sub> (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 <sub>2</sub> O <sub>2</sub> 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