



Manufactured By: Medicago AB

EC-Blue Enhanced™ Substrate (TMB)



Features

- 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

Storage and stability

Store at 2°C to 8°C. Do not freeze and do not expose to direct sunlight. 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.

Never pipette directly from the bottle. Do not leave the cap off. EC-Blue Enhanced™ Reagent is stable for at least 18 months when stored at 2°C to 8°C.

Directions for use

No additional mixing reagents are required. The material is not dependent on room temperature.

Shipping and Storage

The product is stable for 12 months if stored at 2°C to 8°C.

Specifications

Appearance	Straw yellow colour at room temperature. Slightly green tint when stored at +4°C. Colour returns to yellow when stored at room temperature.
Protein content	One bottle of EC Blue consist of a solution containing chromogen substrate reagents already mixed, pH 3, 8.
Functional characteristics	Functional testing shows less than 10% average standard deviation from previously approved lots of chromogen. Test performed in the same assay. Background optical densities shows less than 10% deviation from that of previously approved lots when tested in the same assay.
Storage	2°C to 8°C

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	q
A10-9405-1000	EC-Blue Enhanced™ Substrate	1000 ml	
A10-9405-250	EC-Blue Enhanced™ Substrate	250 ml	
A10-9405-100	EC-Blue Enhanced™ Substrate	100 ml	
A10-9405-5000	EC-Blue Enhanced™ Substrate	5 litre	
A10-9405-0	EC-Blue Enhanced™ Substrate	25 litre	

v. 01 2010-08



6580 Gove Court • Mason, OH 45040

Phone: 513.770.1991

Toll Free: 866.783.3797

Fax: 513.573.9241

Email: info@aniara.com

www.aniara.com