



EC-Blue® Enhanced Substrate (TMB)

Storage +2°C to 8°C

Product description

EC-Blue Enhanced turns into a deep blue color (620-650 nm) in the presence of peroxidase labelled conjugate. The color development can be stopped by the addition of an equal volume 1M HCl which will turn the substrate yellow. Horseradish peroxidase immunoassays with a long term stability and high sensitivity.

Form

EC-Blue® is supplied as a liquid substrate.

Storage and Stability

Store at 2° to 8°. Do not freeze and do not expose EC-Blue® Enhanced to direct sunlight. Prolonged exposure of the substrate to light is not recommended. Store in an amber bottle. As some metal ions can oxidize TMB, please allow only glass or plastic to have contact with the substrate. Never pipette directly from the bottle. Do not leave the cap off. EC- Blue® Enhanced is stable for at least 18 months when stored at 4°C.

Instructions for use

EC-Blue® Enhanced is a ready to use substrate. There is no additional mixing or reagents required. It is not necessary to warm the product to room temperature before use. After washing the micro plate add EC-Blue® Enhanced to each assay well with a multichannel pipette (100 – 150 µl). Then incubate the microplate at room temperature to see how the colour develops (10-15 min). To stop the reaction add 50 µl of 0.5 M H₂SO₄ to each assay well. This will turn the solution yellow. Gently shake the microplate. With a microplate reader set at a wavelength of 450 nm you can measure the absorbance in the assay wells.

Product specifications

APPEARANCE	Straw yellow colour at room temp. Slight greenish tint when stored at + 4°C. Colour returns to normal when warmed overnight to 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 showed less than 10% average standard deviation from previously approved lots of chromogen when tested in the same assay. Background optical densities showed less than 10% deviation from that of previously approved lots when tested in the same assay.

Ordering information

PRODUCT NUMBER	PRODUCT DESCRIPTION	SOLUTION VOLUME
10- 9405- 1000	EC-Blue® Enhanced, 1000 ml	1000 ml
10- 9405- 250	EC-Blue® Enhanced, 250 ml	250 ml
10- 9405- 100	EC-Blue® Enhanced, 100 ml	100 ml
10- 9405- 5	EC-Blue® Enhanced, 5 l	5 l
10- 9405- 25	EC-Blue® Enhanced, 25 l	25 l



Revision 01