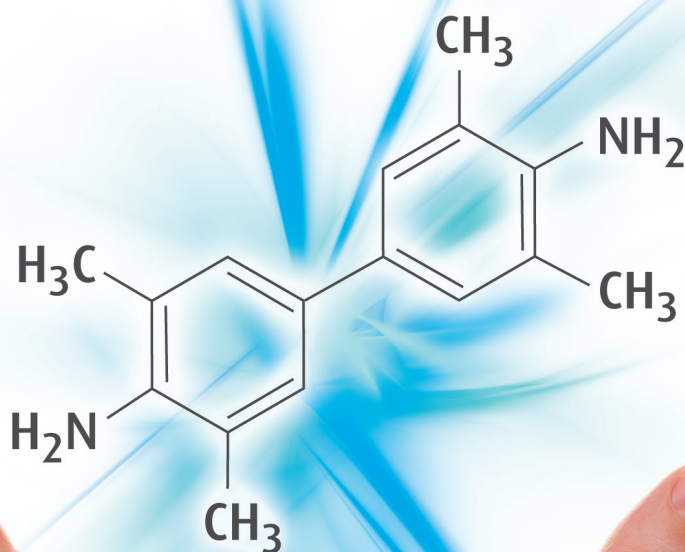


BLUE STAR

The Most Stabilized & Most Sensitive
Single Solution substrate for ELISA assays
TMB - 3,3', 5,5' TETRAMETHYLBENZIDINE



For Excellence In Performance

Adaltis is an international, **IVD** company headquartered in Rome, Italy.

Adaltis develops, manufactures and markets in-vitro diagnostic systems and reagent products to detect viral infections, diagnose immune system diseases and measure human hormone responses.

Adaltis manufactures:
the **Personal LAB™**, **PLAB ELISA-CLIA**, **NexGen Four - Automated 2 and 4 plates analyzers** and **Eclectica™** - Bench top analyzer for IA and CC **Pchem product line** - clinical chemistry systems Instruments and reagents.

With more than 10 thousands of instruments installed world-wide, Adaltis manufactures for excellence in performance. All of our products are backed by dedicated application support and technical service.

Our reagents includes the **EIAgen-ELISA** and **ELISA CLIA** microplates kits for **Infectious diseases, Hepatitis, Serology, ToRCH markers**, as well as **Retrovirus, Tumor markers** and **Autoimmunity, Immunoassays, Clinical Chemistries** and **Controls**.

Adaltis provides dedicated customized services for your Antibody production and Antibody supply.

Adaltis is ISO 9001 and ISO 13485 certified. Our products are IVD-CE marked.

We are dedicated to customer satisfaction and will do the utmost to respond quickly to your needs.

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Sales and Marketing Office
e-mail: sales@adaltis.net

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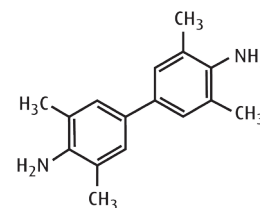
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The most stabilized & most sensitive
single solution substrate



General TMB information:

TMB (3,3',5,5'-Tetramethylbenzidine) is a chromogen that yields a blue colour when oxidized, typically as a result of oxygen radicals produced by the hydrolysis of hydrogen peroxide by HRP.

For kinetic or non-stopped ELISA assays, the TMB chromogen has maximal absorbance at 370 nm and 650 nm. The colour then changes to yellow with the addition of sulphuric or phosphoric acid with maximum absorbance at 450 nm.

Product name and code

Code LSBLUEB

Product Description

TMB solution is a chromogenic reagent for peroxidase, designed for ELISA techniques Manual or Automatic systems.

The solution is ready for use and contains:
3, 3', 5, 5'- tetramethylbenzidine (TMB),
hydrogen peroxide (H₂O₂),
stabilizing agents .

The Reaction develops an intense blue colour that can be read directly (at 650 nm), or a deep yellow colour (read at 450 nm) after adding an acid solution.

High sensitivity and low background.

Product Specification

Ready for use

Stability : 25 months.

Storage: +2-8°C protected from light. Do not freeze.

pH 3.5 - 3.7

Blank < 0.050 OD

Product Use

The TMB solution is added at the end of ELISA protocol to each microplate well:

- Suggested volume: 100 µl / well
- Incubate at room temperature (protected from light).
- Time suggested: 15 -30 minutes.
- Colour readings can be made as follows:
Blue colour without reaction stop (kinetics studies).
Yellow colour after reaction stop (ELISA method).
- Measuring the absorbance immediately is recommended, within 30 minutes.

Product Size

10 litres	Sufficient for about 1000 microplates
20 litres	Sufficient for about 2000 microplates
50 litres	Sufficient for about 5000 microplates
100-200 ml.	Available on request



For more details, please contact our Customer Care Centre via info@adaltis.net