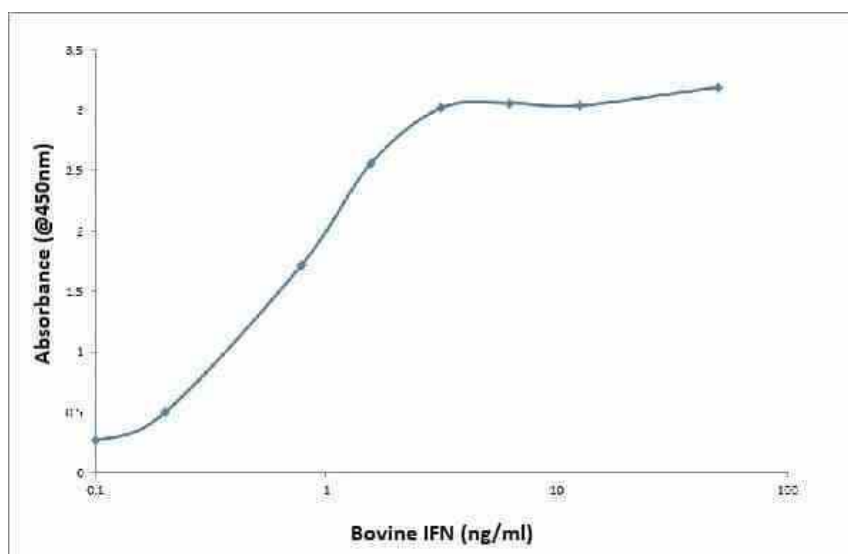


TMB Core

Cat # NB-47-02239-500ML size: 500 ml



A microtiter plate was coated over night with NB-47-03446-500UG at concentration of 5µg/ml in NB-47-02194-100ML. After washing with NB-47-02197-100ML and blocking with NB-47-02200-100ML samples were detected using NB-47-03089-250UG antibody at 5µg/ml followed by incubation with streptavidin:HRP conjugate NB-47-06051-1MG at 1/1000. Finally, NB-47-02239-500ML was used as substrate. Data is presented as the mean of three measurements.

Description

TMB CORE is a high performance TMB (3,3', 5, 5'- tetramethylbenzidine) solution, recommended for use in ELISA detection systems as a substrate for horseradish peroxidase (HRP). TMB CORE contains TMB, substrate buffer and hydrogen peroxide in a safe, ready to use solution.

TMB CORE produces a deep blue color during the enzymatic degradation of H₂O₂ by horseradish peroxidase. For kinetic assays the absorbance is read at 655nm (blue). However, for endpoint assays the reaction may be stopped with 0.2M sulphuric acid, resulting in a yellow colour read at 450nm.

Product Information

Applications: ELISA
Formulation: Ready to use TMB solution - liquid
Dilution Range: ELISA Neat

Storage Instruction: Store at +4°C. DO NOT FREEZE.
This product is photosensitive and should be protected from light.
Avoid exposure to heat and contamination with metal ions or peroxidase.
Store in bottles made of High Density Polyethylene (HDPE).

Instructions For Use

1. Pour the desired amount of NB-47-02239-500ML into a sealable container and allow it to reach room temperature in the dark. Note that 0.1ml will be required per well.
2. Add 0.1ml of NB-47-02239-500ML per microtiter well.
3. Allow development of NB-47-02239-500ML. Development time is typically 5-30 minutes. For best results, the plate should be kept in the dark during incubation. i.e. wrapped in tinfoil.
4. For kinetic assays, read absorbance at 655nm (blue). For endpoint assays, add an equal volume of 0.2M sulphuric acid and read the absorbance at 450nm (yellow). This endpoint solution is stable for up to one hour.
5. If reduced intensity is required, it is recommended that the development time is reduced or the antibody/conjugate is diluted further. (Dilution of NB-47-02239-500ML is not recommended).

For reference only

***For reference only
For Research Use Only. Not for Diagnostic or Therapeutic Use.***