

PRODUCT INFORMATION SUMMARY

TMB Substrate Solutions:

Solutions Part A and Part B 100 mL (2)

cat no: ES200 100 mL (2)

cat no: ES200C 50 mL (2)

DESCRIPTION:

TMB (3,3', 5,5' -Tetramethyl-Benzidine) substrate solution is used for ELISA applications in immunologic and serologic procedures where HRP (Horseradish Peroxidase) is applied. It is non-carcinogenic.

HANDLING AND STORAGE:

PRODUCT USE: CAUTION - FLAMMABLE - see below -

Provided as 100 mL or 50 mL Solutions (see above) Part A and Part B.
Store DARK at 4 Deg. C. **KEEP AWAY FROM OPEN FLAME - HEAT SOURCE.**

Prepare substrate solution no more than **15 minutes before last incubation of assay**: Mix one part TMB Solution A with one part TMB Solution B in a clean container. If, upon mixing, TMB solution turns blue - TMB solution is **CONTAMINATED - DO NOT USE**. Use mixed substrate solution WITHIN 2 HOURS, AND AVOID DIRECT LIGHT.

Apply TMB solution to wells of assay as substrate.
For 96-well microplates, usually 100 uL per well is recommended. Be sure the ELISA plate is **thoroughly washed (5 times)** before adding TMB solution. (Wash steps are critical!)

For most ELISA applications, incubate TMB substrate solution for 15-20 minutes at 37 Deg. C. Then add 100 uL stop solution (2N Sulphuric Acid) **and mix by gently tapping plate**, then read O.D. at 450 nm within 30 minutes. - or follow customer's usual protocol.

CAUTION: **Substrate solution B** contains 20% acetone - **FLAMMABLE** - keep away from sources of heat or flame.