

TMB ONE, Ready-to-use Substrate

Cat. no.: 4380

Lot. no.:

Date of manufacture:

Exp. Date: (When stored at 4 °C in an unopened bottle).

Analysis: The substrate is analyzed for consistent activity, background, colour and pH (only the procedure for activity and background is described in the COA).

Background: 100 µl substrate is pipetted into eight wells of a standard microtiter plate, followed by addition of 100 µl 0.2 M sulphuric acid. The background absorbance is read at 450 nm.

Activity: The activity is determined in a 2-layer ELISA. First layer is a standard human serum dilution. Second layer is rabbit anti human IgG-HRP. 100 µl substrate is added to each well and incubated for 13 minutes. The reaction is stopped by addition of 100 µl 0.2 M sulphuric acid. The absorbance is read at 450 nm. The activity is compared to a standard TMB solution with known activity.

Specifications: Activity: 95 – 105 %
Background: Abs. < 0.025
Colour: Clear solution with no distinct colour
pH : 3,80 – 4,20

Results: Activity test :
Background :
Colour :
pH:

Storage: Short term storage: Ambient; protected from light.
Long term storage: 4 °C; protected from light.

Performed by: Date : Sign. :

Approved by: Date : Sign. :