

Prestained TMB ONE, Ready-to-use Substrate

Certificate of Analysis

Cat. no.: 4430

Lot. no.:

Date of manufacture:

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

Analysis: The substrate is analyzed for consistent activity and background.
Background: 100 µl substrate is pipetted into eight wells of a standard microtiter plate, followed by addition of 100 µl 0.2 M sulfuric 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: The average activity is compared to the internal standard (100%) with a variation of +/-5%.
 The average background signal must be below 0.075 abs.
 Colour: Clear, pink solution. 0,137 – 0,204 abs at 550nm
 pH : 3,78 – 4,18

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. :

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