

TMB X-tra

CHROMOGENIC SUBSTRATES

ELISA HRP Substrate

Cat. No. 4800

Lot No.: XXXXXXDate of manufacture: XX-XXXXExpiry date: XX-XXXX (When stored at 2-8 °C in an unopened bottle)**Analysis:**

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

Background: 100 µL substrate is pipetted into four wells of a standard microtiter plate, followed by addition of 100 µL 0.2 M sulphuric acid. The background absorbance is read at 450/620 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 450/620 nm.

The activity is compared to a standard TMB solution with known activity.

Specifications:

Activity: 90 - 110%

Background: Abs. < 0.025

Color: Clear solution with no distinct color

pH: 3.50 - 3.90

Results:

Activity test: _____

Background: _____

Color: _____

pH: _____

Storage:

Short-term storage: Ambient; protected from light.

Long-term storage: 2-8 °C; protected from light.

Performed by:Date: xx-xxx-2021Signature: xx**Approved by:**Date: xx-xxx-2021Signature: xx

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