

TMB X-tn[®]

CHROMOGENIC SUBSTRATES

ELISA HRP Substrate

Cat. No. 5280

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, stop stability at high OD, 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 0.35 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 0.35 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%

Stop stability > 80% after 1 hour

Background: Abs. < 0.050

Color: Slightly green to no distinct color

pH: 3.70 - 4.10

Results:

Activity test: _____

Stop stability: _____

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-2022Signature: xx**Approved by:**Date: xx-xxx-2022Signature: xx

Our Immunoassay Solutions are eco-friendly, creating a healthy work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements. **We call it ECO-TEK.**