

TMB X-tn[®]

CHROMOGENIC SUBSTRATES

ELISA HRP Substrate

Cat. No. 5280

Lot No.: xxxxxxXxx
Date of manufacture: mm-yyyy
Expiry date: mm-yyyy (When stored at 2-8°C in an unopened bottle)

Analysis: The substrate is analyzed for consistent activity, stop stability at high OD, background, appearance, 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, prefilled with 100 µL of 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 human IgG antibody 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 and converted to activity using a standard curve.

Specifications:
 Activity: 90 – 110%
 Stop stability: > 80% after 1 hour
 Background: < 0.05 Abs.
 Appearance: Slightly green to no distinct color
 pH: 3.70 – 4.10

Results:
 Activity: xxx%
 Stop stability: xxx%
 Background: x.xxx Abs.
 Appearance: Passed
 pH: x.xx

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

It is hereby confirmed that the product was manufactured according to our standard operating procedures and that the product complies with all specifications.

Performed by: _____ **Date:** dd-MMM-yyyy **Signature:** XX

Approved by: _____ **Date:** dd-MMM-yyyy **Signature:** XX

Our Immunoassay Solutions are developed in order to create a healthy and safe work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements. **We call it ECO-TEK!**



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