

TMB X-tra

CHROMOGENIC SUBSTRATES

ELISA HRP Substrate

Cat. No. 4800

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, 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% |
| Background: | < 0.025 Abs. |
| Appearance: | Clear solution with no distinct color |
| pH: | 3.50 – 3.90 |

Results:

| | |
|-------------|-------------------|
| Activity: | <u>xxx%</u> |
| Background: | <u>x.xxx Abs.</u> |
| Appearance: | <u>Passed</u> |
| pH: | <u>x.xx</u> |

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!**

