

TMB PLUS2<sup>®</sup> Prestained

## CHROMOGENIC SUBSTRATES

## ELISA HRP Substrate, Pink

Cat. No. 4445

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

**Analysis:** The substrate is analyzed for consistent activity, background, appearance, 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, 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:	< 0.075 Abs.
Appearance:	Clear, pink solutions
Color:	0.137 – 0.204 Abs. at 550 nm
pH:	3.50 – 3.90

**Results:**

Activity:	<u>xxx%</u>
Background:	<u>x.xxx Abs.</u>
Appearance:	<u>Passed</u>
Color:	<u>x.xxx Abs.</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!**

