

TMB X-tn<sup>®</sup>

## 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:	< 0.050 Abs.
Appearance:	Slightly green to no distinct color
pH:	3.70 – 4.10

**Results:**

Activity:	<u>xxx%</u>
Stop stability:	<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 environmentally conscious, creating a safer work environment while helping our customers fulfill significant regulatory requirements.  
**We call it ECO-TEK!**

