

# TMB PLUS2®

CHROMOGENIC SUBSTRATES

**ELISA HRP Substrate**

Cat. No. 4395

**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: 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 environmentally conscious, creating a safer work environment while helping our customers fulfill significant regulatory requirements.  
**We call it ECO-TEK!**

