

## Prestained TMB X-tra, Ready-to-use Substrate

# Certificate of Analysis

**Cat. no.:** 4810

**Lot. no.:** \_\_\_\_\_

**Date of manufacture:** \_\_\_\_\_

**Exp. Date:** \_\_\_\_\_ (When stored at 4°C in an unopened bottle).

**Analysis:** The substrate is analyzed for consistent activity and background.  
**Background:** 100 µl substrate is pipetted into eight wells of a standard microtiter plate, followed by addition of 100 µl 0.2 M sulphuric acid. The background absorbance is read at 450 nm.  
**Activity:** The activity is determined in a 2-layer ELISA. First layer is a standard human serum 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 nm. The activity is compared to a standard TMB solution with known activity.

**Specifications:** The average activity is compared to the internal standard (100%) with a variation of +/-10%.

The average background signal must be below 0.075 abs.  
 Colour: Clear pink solution. 0,137 – 0.204 abs. at 550 nm.  
 pH 3,6 – 3,8

**Results:** Activity test :  
 Background :  
 pH :  
 Colour :

**Storage:** Short term storage: Ambient; protected from light.  
 Long term storage: 4 °C; protected from light.

**Performed by:** Date : \_\_\_\_\_ Sign. : \_\_\_\_\_

**Approved by:** Date : \_\_\_\_\_ Sign. : \_\_\_\_\_

I:\Diagnostics\Datasheet\COA til Web\Word-Docs\TMB X-tra preCOA05