TMB PLUS2™
ELISA HRP Substrate

Cat. no.: 4395
Lot no.: _________
Date of manufacture: _________
Expiry date: _________ (When stored at 2-8°C in an unopened bottle).

Analysis:
The substrate is analyzed for consistent activity, background, color and pH (only the procedure for activity and background is described in the COA).

**Background:** 100µl substrate is pipetted into four wells of a standard microtiter plate, followed by addition of 100µl 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 standard human serum dilution. Second layer is rabbit anti human IgG-HRP. 100µl substrate is added to each well and incubated for 13 minutes. The reaction is stopped by addition of 100µl 0.2 M sulphuric acid. The absorbance is read at 450/620 nm. The activity is compared to a standard TMB solution with known activity.

Specifications:

Activity: 90 - 110%
Background: Abs. < 0.025
Color: Clear solution with no distinct color
pH: 3.50 – 3.90

Results:

Activity test: _____
Background: _____
Color: _____
pH: _____

Storage:
Short term storage: Ambient; protected from light.
Long term storage: 2-8°C; protected from light.

Performed by:
Date: _________ Sign.: _________

Approved by:
Date: _________ Sign.: _________