

# Certificate of Analysis

For Research Use Only  
Not for Human or Animal Consumption

## KPL TMB 2-Component Microwell Peroxidase Substrate System

**PART CODE:** 5120-0053 (50-76-11)  
**LOT NUMBER:** 10798759  
**SIZE:** 2 X 100 mL

**DESCRIPTION:** This liquid substrate system develops a deep blue color when reacted with peroxidase labeled conjugates in microwell plates. It is not recommended for blotting or immunohistochemical staining assays.

**FORM/STORAGE:** Liquid. Store refrigerated at 2 - 8°C.

**CONTENT:** 1 X 100 mL, KPL TMB Peroxidase Substrate Solution A, Catalog No. 5120-0048 (50-76-01)  
Lot No. 10731253 Date of Manufacture: 10 MAR 2025  
This is a 3,3',5,5',-tetramethylbenzidine at a concentration of 0.4 g/L in an organic base.

1 X 100 mL, KPL Peroxidase Substrate Solution B, Catalog No. 5120-0037 (50-65-00)  
Lot No. 10769014 Date of Manufacture: 08 JUL 2025  
The concentration of the H<sub>2</sub>O<sub>2</sub> in the KPL Peroxidase Substrate Solution B is 0.02% in a citric acid buffer.

**STABILITY:** Components are stable for one year from date of receipt when stored properly. The TMB components may develop a yellow tinge over time. This does not affect product performance.

Approval:

A handwritten signature in blue ink, appearing to read "Shreelal", written over a horizontal line.

QA Verified By

A handwritten date "19NOV2025" in blue ink, written over a horizontal line.

Date