Certificate of Analysis

For Research Use Only
Not for Human or Animal Consumption

KPL SureBlue™ TMB Microwell Peroxidase Substrate (1-Component)

PART CODE: 5120-0076 (52-00-02)
LOT NUMBER: **10602390**
SIZE 4 x 100 mL

DESCRIPTION: This liquid substrate system develops a dark blue soluble product when reacted with horseradish peroxidase labeled conjugates in microwell plates or tubes. It is not recommended for membrane or immunohistochemical staining assays.

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

CONTENT: The one component system is supplied as 100 mL bottles, Lot No. **10593952** manufactured on **02 DEC 2021**.The KPL SureBlue™ TMB Microwell Peroxidase Substrate (1-Component) contains 3,3',5,5'-tetramethyl-benzidine in an acidic buffer. The concentration of the Hydrogen Peroxide is 0.01%.

STABILITY: Product is stable for three years from date of manufacture when stored properly.

RECOMMENDED REDISPENSING KPL SureBlue™ TMB Microwell Peroxidase Substrate (1-Component) is extremely sensitive to certain handling and storage conditions. The following suggestions are provided to ensure success when redispensing this product:

- Avoid prolonged exposure to light air or extreme temperatures; however, exposure to indirect laboratory lighting for 24 hours is not harmful.
- Never pipette directly from bottle. Pour out needed amount into a plastic reservoir. Do not return excess KPL SureBlue™ TMB to the primary container.
- Avoid exposure to silica-based materials including borosilicate glass, metals, bacterial contamination or other oxidizing agents.
  Do not refilter as this may destabilize the dye complex and result in the development of background color.
- Redispense into amber Nalgene HDPE or LDPE bottles ONLY. Do not redispense into glass bottles as this may compromise substrate performance.
- HDPE and LDPE bottles should be utilized as they are received directly from the manufacturer; washing of bottles is not recommended.
- Redispense substrate using Cole-Parmer C-Flex tubing and do not reuse tubing. Avoid redispensing with all other tubings including silicone, latex, and Tygon.
- Gravity fill or the use of a peristaltic pump is advised.
- Avoid substrate contact with any metallic surfaces.
- For further details concerning the redispensing of this product, please contact the Technical Service Dept. at 800-638-3167.

Approval:

	02 FEB 2022
QA Verified By	Date