

Certificate of Analysis

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

PART Code 5120-0023 (37-01-38)
Lot No. 10380751
SIZE 15 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 KPL SureBlue TMB Microwell Peroxidase Substrate (1-Component) one component system is supplied as 15 mL bottles, **Lot #: 10380751 Manufacture date: 30 OCT 2018.**

The KPL SureBlue TMB Microwell Peroxidase Substrate (1-Component) contains 3,3',5,5'-tetramethylbenzidine in an acidic buffer. The concentration of the Hydrogen Peroxide is 0.01%.

pH Specification: 3.80 ± 0.10 Results: Pass

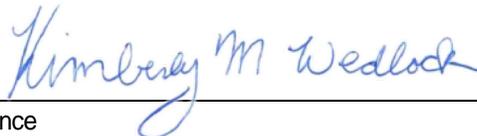
FUNCTIONALITY Background Specification: OD at 650 nm ≤ 0.03 Results: Pass
UV ABSORBANCE Specification: Slope = 0.1505 to 0.1894 Results: Pass
 Specification: % Difference in Samples ≤ 10% Results: Pass

STABILITY Product is stable for 2 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 redispersing 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 redispersing 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 redispersing of this product, please contact the technical service dept. at 800-676-1881.

Approval:



Quality Assurance

06 NOV 2018

Date