

Certificate of Analysis

For Research Use Only
Not for Human or Animal Consumption

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

PART CODE:	5120-0075 (52-00-01)
LOT NUMBER:	10799774
SIZE	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 KPL SureBlue™ TMB Microwell Peroxidase Substrate (1-Component) system is made up of bulk Lot No. 10780413, manufactured on 01 OCT 2025, and contains 3,3',5,5'-tetra-methylbenzidine 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	<p>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 redisensing this product:</p> <ul style="list-style-type: none">• 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.• Redisperse into amber Nalgene HDPE or LDPE bottles ONLY. Do not redisperse 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.• Redisperse 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 redisensing of this product, please contact the Technical Service Dept. at 800-638-3167.

Approval:



QA Verified By



Date