Certificate of Analysis

For Research Use Only
Not for Human or Animal Consumption

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

PART Code	5120-0081 (53-00-01)
Lot No.	10830466
SIZE	100 mL

DESCRIPTION

KPL SureBlue Reserve™ develops a deep blue soluble product when reacted with horseradish peroxidase labeled conjugates in microwell plates or tubes. KPL SureBlue Reserve™ provides more sensitivity compared to standard KPL SureBlue TMB substrate. It is suitable for qualitative or quantitative microwell immunoassays and is not recommended for membrane or immunohistochemical applications.

FORM/STORAGE

Liquid. Store refrigerated at 2-8°C. Do not freeze.

CONTENT

The one component system is supplied as 100 mL bottles from bulk Lot No. 10809278. KPL SureBlue Reserve™ TMB Microwell Peroxidase Substrate (1-Component) contains 3,3',5,5' tetramethylbenzidine in a mildly acidic buffer.

STABILITY

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

DATE OF MANUFACTURE

21 APR 2026

RECOMMENDED REDISPENSING

KPL SureBlue Reserve™ 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 exposure to sunlight, air, and extreme temperatures; however, exposure to indirect laboratory lighting for 8 hours is not harmful. A pale blue color may become apparent after 4 – 5 hours of exposure to indirect laboratory lighting, but this will not affect product performance.
- Never pipette directly from bottle. Pour out needed amount into a plastic reservoir. Do not return excess KPL SureBlue Reserve™ 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 and 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 Platinum Cured Silicone tubing and do not reuse tubing. Avoid redispensing with all other tubings.
- 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 department at 800-638-3167

Approval:

Sheri Neal — QA Verified By

21 OCT 2026 — Date