

KPL BCIP/NBT Phosphatase Substrate (1-Component)

<u>Catalog No.</u>	<u>Size</u>
5420-0033 (50-81-07)	6 x 100 mL
5420-0036 (50-81-10)	1000 mL
5420-0037 (50-81-11)	5000 mL
5420-0038 (50-81-18)	100 mL

DESCRIPTION

KPL BCIP / NBT Phosphatase Substrate (1-Component) deposits a permanent, dark purple stain on membrane sites bearing phosphatase. The expected appearance of the solution is clear, light greenish to yellow in color. KPL BCIP / NBT Phosphatase Substrate is not suitable for microwell or immunohistochemical staining.

FORM/STORAGE

Store at 2-8°C. Stable for a minimum of 1 year from date of receipt when stored at 2-8°C.

NOTE: A fine blue-black precipitate may be observed. The presence of this precipitate does not affect performance.

CONTENT

KPL BCIP/NBT Phosphatase Substrate (1-Component) contains 5-Bromo-4-chloro-3-indoxyl-phosphate (BCIP) at a concentration of 0.21 g/L and nitroblue tetrazolium (NBT) at a concentration of 0.42 g/L in an organic base/Tris buffer.

USE

Warm to room temperature before use. Solution is ready to use.

RECOMMENDED SUBSTRATE VOLUME:

Immerse membrane in approximately 1 mL substrate per 10 cm² membrane. Use enough substrate to completely cover the membrane surface.

SUBSTRATE DEVELOPMENT:

Following incubation with phosphatase labeled conjugate, wash membrane thoroughly. Incubate membrane in substrate for 5 - 15 minutes or until desired color is achieved. Incubation times will vary depending on your assay.

TO STOP REACTION:

Stop reaction by immersing the membrane in reagent quality water for 20 - 30 seconds. Allow the membrane to air dry.

MEMBRANE STORAGE:

Dry membrane thoroughly, seal with clear plastic and store in the dark to minimize fading.

TO REDUCE SUBSTRATE INTENSITY:

Background is a sign of over-reaction with KPL BCIP / NBT. To reduce the intensity of the substrate reaction, further dilution of the primary antibody and / or conjugate is recommended. Dilution of the substrate is not recommended.

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Product may be disposed of via sanitary sewer.

RELATED PRODUCTS

	CAT. NO.
KPL Milk Diluent / Blocking Solution	5140-0011 (50-82-01)
KPL 5X Detector™ Block	5920-0004 (71-83-00)
KPL 20X Wash Solution	5150-0008 (50-63-00)
KPL 10% BSA Diluent/Blocking Solution	5140-0006 (50-61-00)

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.