

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 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

See SDS (Safety Data Sheet) for this product.

RELATED PRODUCTS

	CAT. NO.
KPL Milk Diluent/Blocking Solution	5140-0011 (50-82-01)
KPL Detector™ Block	5920-0004 (71-83-00)
KPL Wash Solution	5150-0008 (50-63-00)
KPL 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.