



BCIP/NBT (Purple) Membrane Substrate Product Insert

NO DMF
OR DMSO

Description

BCIP/NBT Membrane Substrate is a one-bottle, ready-to-use buffered phosphate substrate. It contains 5-bromo-4-chloro-3-indolyl-phosphate and nitroblue tetrazolium in a one-bottle format. BCIP/NBT Membrane Substrate is colorless to light yellow in appearance. BCIP/NBT Membrane Substrate develops an insoluble, permanent dark purple color in the presence of phosphatase. BCIP/NBT Membrane Substrate is not recommended for microwell or immunohistochemical applications. This formulation contains NO DMF or DMSO.

Sensitivity

BCIP/NBT Membrane Substrate is highly sensitive. This formulation offers a high signal-to-background ratio, which will resist fading.

Stability and Storage

BCIP/NBT Membrane Substrate is stable for a minimum of 3 years from date of manufacture, when stored at 2° to 25°C.

Custom Packaging Service

Neogen can package BCIP/NBT Membrane Substrate in custom bottle sizes and volume fills to meet your specific packaging requirements. This service is a time and cost saving feature for any test kit manufacturer. For details on this service, please contact a Neogen Corporation representative.

Product #	Volume
315189	25 mL
315247	100 mL
315177	1 Liter

Recommended Handling

BCIP/NBT Membrane Substrate is sensitive to certain handling and storage conditions. Please note the following precautions when handling Neogen's BCIP/NBT Membrane Substrate:

Light Exposure - BCIP/NBT Membrane Substrate is very light sensitive and direct UV light should be avoided. Elevated temperatures should also be avoided.

Storage Containers - The substrate should only be stored in high quality amber colored plastic or glass bottles. Neogen recommends HDPE amber bottles.

Dispensing Precautions - Neogen recommends that only plastic or glass come in contact with the substrate. When using a dispensing pump make sure that no metal components of the pump come in contact with the substrate. Neogen further recommends that all pumps, tubing and storage containers be dedicated for use with BCIP/NBT Membrane Substrate (Purple) ONLY. DO NOT reuse tubing.

To avoid contaminating the entire bottle of substrate, never pipette directly from the substrate bottle. Always pour necessary volume of substrate into a separate container for use.

Do not leave the cap off of the storage bottle for prolonged periods of time.

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Directions for Use

BCIP/NBT (Purple) Substrate is supplied as a one-component ready-to-use solution.

1. This product should be at room temperature (25°C) before use.
2. Cover membrane surface completely with substrate. The substrate system will react with sites on the membrane containing phosphatase, producing an insoluble, purple-blue reaction product.
3. To stop the reaction, rinse membrane with reagent quality water.

Note: Some wash solutions containing detergents may reduce color intensity.

4. The reaction should be monitored and optical density (OD) determined before background color becomes too intense resulting in diminished contrast between positive and background staining.

Notes:

- Dilution of the substrate is not recommended.
- To reduce the intensity of a reaction, it is recommended that the antibodies or conjugates be diluted.

Technical Information

For technical support, please contact our Technical Service Department, Monday - Friday from 8:00 am - 6:00 pm EST.

Phone: 800/477-8201 (USA/CANADA)

Phone: 859/254-1221 (International)

E-mail: techservice-lifesciences@neogen.com

Warranty

Neogen Corporation makes no warranty of any kind, either expressed or implied, except that the material from which its products are made are of standard quality. If any materials are defective, Neogen Corporation will provide a replacement product. Buyer assumes all risk and liability resulting from the use of this product and any of the predictive models. There is no warranty of merchantability of this product for any purpose. Neogen Corporation shall not be liable for any damages, including special or consequential damage, or expense arising directly or indirectly from the use of this product.

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