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ImmunO™

BCIP/NBT, Stable Alkaline Phosphatase Substrate

Catalog #: 98062

Lot #: Q6097

Description: BCIP/NBT (5-bromo-4-chloro-3-indoyl-phosphate/p-nitro-blue tetrazolium chloride in a proprietary buffer and enhancer) is considered one of the most sensitive substrate chromogens available for blotting techniques in situ hybridization chemistry.^{1,2} Proprietary production techniques have made possible a unique BCIP/NBT reagent that is stable at room temperature and more sensitive than existing formulations.

Uses: This reagent may be used to localize alkaline phosphatase enzyme probes in Western, Northern, Southern and dot blotting procedures.

Protocol: Apply reagent directly to the membrane (the reagent is ready to use; do not dilute). Allow to incubate 10 to 15 minutes at room temperature. Optimal incubation times should be established for each specific protocol. Terminate the reaction by rinsing with deionized water. Less incubation time is likely if biotin-streptavidin enhanced signaling is used.

Storage: Store at +2-8°C.

Expiration Date: 7/31/2019

References: 1. Leary, J.J., et al., *Proc. Nat. Acad. Sci. USA*, **80**, 4045, 1983.

2. Chan, V.T-W., et al., *Nucleic Acid Res.*, **13**, 8083, 1985.

A large, handwritten signature in black ink that reads 'J Huang'.

Approved by: *John Huang, PhD*
Quality Control Manager

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