

## Product Information

### **BCIP®/NBT-Blue Liquid Substrate System for Membranes**

Catalog Number **B3804**

Storage Temperature 2–8 °C

#### **Product Description**

This product is supplied as a ready-to-use buffered alkaline phosphatase substrate containing 5-bromo-4-chloro-3-indolyl phosphate (BCIP®) and nitro blue tetrazolium (NBT). Prior to reaction with alkaline phosphatase, the substrate should appear as a colorless to light yellow solution. It will develop a permanent dark blue-purple reaction product when reacted with alkaline phosphatase on membrane applications (i.e., blotting).

This substrate produces an insoluble reaction product and is **not recommended** for multiwell (e.g., ELISA) or immunohistochemical applications.

#### **Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### **Preparation Instructions**

The product is a ready-to-use, one component substrate for alkaline phosphatase and is supplied at the working dilution.

#### **Storage/Stability**

Store the product at 2–8 °C. This substrate is light-sensitive and should be protected from direct sunlight or UV sources.

#### **Procedure**

The product should be brought to room temperature (~25 °C) before use. Use enough substrate solution to completely cover the membrane surface. Upon incubation, a dark blue-purple reaction product will develop on membrane sites where alkaline phosphatase is present. The reaction should be monitored continuously and read before background color becomes too intense resulting in diminished contrast between positive and background staining. Stop the reaction by rinsing briefly with water.

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

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