



## **BCIP/INT Substrate solution**

### **Cat# BB1160 (BE692)**

#### **Product Description:**

The 5-bromo-4-chloro-3-indolyl phosphate (BCIP)/nitro blue tetrazolium (NBT) Substrate solution is an ideal insoluble substrate for use with alkaline phosphatase. This system produces a blue-purple product. The intense color can be observed visually, is very stable, and will not fade upon exposure to light.

The BCIP/NBT Substrate solution offers a convenient, ready-to-use substrate solution for visualizing alkaline phosphatase activity in immunoblotting and immunohistology. Immunohistochemical staining with BCIP/NBT requires organic mounting media and can be counterstained with Nuclear Fast Red or Light Green. BCIP/NBT is generally a more sensitive method than Fast Red.

#### **Preparation Instructions:**

The BCIP/NBT Substrate solution is a single solution, ready-to-use reagent.

#### **Storage/Stability**

Store the product at 2–8 °C for extended, long term storage. The product may be stored at room temperature for up to one year.

#### **Procedure**

Rinse specimens incubated with an alkaline phosphatase conjugate in a non-phosphate wash buffer before treatment with the BCIP/NBT Substrate solution. Cover the entire specimen with the reagent during color development. Incubate the specimen at room temperature with the BCIP/NBT reagent for ~10 minutes. Specimens and procedure may affect the length of time needed for color development. Monitor color development to avoid over-development. Stop color development by rinsing the specimen with water.

#### **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.