

BCIP/NBT Kit

BCIP/NBT are widely used together as a chromogenic phosphatase substrate for the detection of alkaline phosphatase labeled proteins in a variety of applications, such as immunohistochemistry, westerns, and *in situ* hybridization. This kit contains 100 mg each of [BCIP sodium salt \(10001\)](#) and the oxidant [NBT \(Nitro blue tetrazolium, 10008\)](#).



Product attributes

CAS number	102185-33-1, 298-83-9
Storage Conditions	Store at 2 to 8 °C or below, Protect from light, Desiccate

Product Description

BCIP (5-Bromo-4-chloro-3-indoxyl phosphate) is the most widely used chromogenic phosphatase substrate that is often used with the oxidant [NBT \(nitro blue tetrazolium chloride, 10008\)](#), which facilitates the precipitation. NBT/BCIP produces a dark blue/violet precipitate product in the presence of alkaline phosphatase activity and alkaline phosphatase labeled proteins in a variety of applications, such as immunohistochemistry, westerns, and *in situ* hybridization. The stain can be mounted with permanent or aqueous mounting medium.

- Dark blue colorimetric detection of alkaline phosphatase activity and labels
- Compatible with a variety of applications
- Use BCIP alone or in combination with NBT
- Can be mounted with permanent or aqueous mounting medium

This kit contains 100 mg each of [BCIP sodium salt \(10001\)](#) and the oxidant [NBT \(10008\)](#). We also offer [Alkaline Phosphatase Conjugated Antibodies](#).

Find the Right Stain for your Application

The original BCIP forms a dark blue (λ_{\max} 615 nm) precipitate and is available in two different salt formulations; [BCIP, toluidine salt](#) is soluble in DMF while [BCIP, sodium salt](#) is soluble in water. We also offer a [Pink BCIP](#) derivative, which produces a pink colored (λ_{\max} 540 nm) precipitate. [BCIP Red](#) produces a red colored (λ_{\max} 565 nm) precipitate. Please see our [BCIP Kits](#) that are paired with [NBT \(nitro blue tetrazolium chloride\)](#) for user convenience.

References

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