

PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Chromogenic Phosphatase Substrate Sampler**CATALOG NUMBER:** 10022**COMPONENTS:**

Component	Cat.#	Size
BCIP Na	10001-10	1 vial of 10 mg
BCIP Pink	10006-10	1 vial of 10 mg
BCIP Red	10004-10	1 vial of 10 mg
NBT	10008	1 vial of 250 mg

APPLICATION:

BCIP (**10001**) is the most widely used chromogenic phosphatase substrate, which forms a dark blue precipitate on enzymatic hydrolysis. BCIP Pink (**10006**) and BCIP Red (**10004**) are derivatives of BCIP. Unlike BCIP that yields a blue precipitating product, BCIP Pink produces a pink colored precipitate while BCIP Red produces a red colored precipitate. BCIP substrates often used with the oxidant NBT (nitro blue tetrazolium chloride) (**10008**), which facilitates the precipitation.

The sampler kit contains all three BCIP substrates and NBT for your convenience.

STORAGE AND HANDLING:

Stored desiccated at ≤ 4 °C upon receipt. Protect from light, especially when in solution.

Solubility:

BCIP Na: soluble in water

BCIP Pink: soluble in DMF

BCIP Red: soluble in DMF

NBT: soluble in water and DMSO

Ref: *Biotechniques* **12**, 656(1992); *Histochemistry* **58**, 203(1978); *Meth. Enzymol.* **6**, 958(1963); *Anal. Biochem.* **56**, 353(1973); *J. Immunol. Meth.* **179**, 95(1995); *J. Infect. Dis.* **172**, 1153(1995); *J. Appl. Bacteriol.* **74**, 433(1993); *J. Immunol. Meth.* **65**, 55(1983).

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