

Ver.A261001

BCIP/NBT Chromogen Kit

BC1100S (25mL)

FOR RESEARCH USE ONLY, DO NOT USE IT IN CLINICAL DIAGNOSIS

Product Description

NBT is Nitroblue tetrazolium chloride, a dark blue amorphous slightly soluble substance BCIP also known as 5-Bromo-4-Chloro-3-Indolyl Phosphate, is catalyzed by Alkaline phosphatase (AP) BCIP is hydrolyzed to produce a highly reactive product that reacts with NBT to form an insoluble dark blue to bluish purple precipitate.

Kit components

Reagent	Volume	Storage
25X BCIP	1mL	-20°C, avoid light
25X NBT	1mL	-20°C, avoid light
1XAP Buffer solution	30mL	-20°C

Storage: -20°C, avoid light, Valid for 6 months.

Protocol

1. Take 40μL 25X NBT and add it to 1mL 1X AP Buffer Solution, mix it well, and then add 40μL 25X BCIP to mix it well, that is, to form a reaction working liquid. This reaction liquid is best used now.

Note: Depending on the membrane size, the amounts of 1X AP Buffer Solution, 25X BCIP, and 25X NBT can be scaled up equally.

2. Dip the washed PVDF/NC film into the reaction working liquid and gently shake it at room temperature for warming.
3. When the color depth of the protein band meets the requirements (generally about 20-30 minutes), the membrane is immersed in deionized water to stop the reaction.

Note

BCIP and NBT are suspected carcinogens, please take necessary preventive measures. Wear gloves during operation, avoid contact with skin as much as possible, and rinse thoroughly after use.