

BCIP/INT Chromogen/Substrate Kit (Liquid Format)

- Catalog No.:** K 008
- Intended Use:** As substrate/chromogen in conjunction with alkaline phosphatase based immunostaining systems.
- Introduction:** Alkaline phosphatase, an enzyme derived from bovine intestinal mucosa, is often used as a label for in situ hybridization, immunohistochemistry, Southern and Northern hybridization and DNA sequencing. Detection of this enzyme requires the use of an insoluble colored substrate. DBS introduces a new stable, BCIP/INT solution in ready to use form. It produces a brown colored end product at the positive sites which gives a good contrast with blue hematoxylin counter stain. Specimens stained in BCIP/INT can not be dehydrated in ethanol and hence should be mounted in aqueous based mounting medium like C/C Mount (DBS catalog # K002).
- Principle:** Alkaline phosphatase cleaves the phosphate group from BCIP to produce precipitating indoxyl group. This group then dimerizes resulting in the reduction of the INT to produce a dark brown insoluble Formazan product.
- Format:** 15mL ready to use amber-colored solution.
- Storage of Kit:** Store at 2-8°C. Do not use beyond the expiration date stated on the label.
- Procedure:**
- i) Once tissue sections have been incubated with alkaline phosphatase, wash them thoroughly with wash buffer.
 - ii) Wipe the slide to remove excess wash buffer and add enough drops of the BCIP/INT solution to cover the tissue sections.
 - iii) Incubate for 10-30 minutes at room temperature. For best results, look under the microscope for the signal development. Once desired signal to noise ratio is achieved, stop the reaction by washing the slides in the wash buffer.
- Precautions:** Poisonous. May be harmful or fatal if swallowed. Avoid contact with clothes and exposed skin. If accidentally contacted, flush with tap water immediately. Follow instructions provided by local authorities for disposal.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

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