



# SZABO SCANDIC

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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

# TECHNICALLY *Speaking*

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## BCIP/NBT Chromogen/Substrate Kit Liquid Format

**CLSG80105**  
Lot: 14016

**Intended Use:** To 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/NBT solution in ready to use form. It produces a blue colored end product at the positive sites which gives a good contrast with red nuclear fast counter stain. Specimens stained in BCIP/NBT can not be dehydrated in ethanol and hence should be mounted in aqueous based mounting medium like C/C Mount (CLSG80101).

**Principle:** Alkaline phosphatase cleaves the phosphate group from BCIP to produce precipitating indoxyl group. This group then dimerizes resulting in the reduction of the NBT to produce a dark blue insoluble Formazan product.

**Components:** 15 ml of stable, ready to use solution.

**Storage of Kit:** Store at 2 - 8°C and do not use beyond the expiration date stated on the bottle.

**Procedure:**

- i) Once tissue sections have been incubated with alkaline phosphatase, wash them with buffer thoroughly.
- ii) Wipe the glass to remove excess of buffer and add enough drops of the BCIP/NBT solution to cover the tissue sections.
- iii) Incubate for 10-30 minutes at room temperature. For the 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 your local authorities for disposal.

**Laboratory Reagent For Research Use Only**

JV 11/26/08

For more information or to place an order please contact...

**CEDARLANE®**  
**LABORATORIES LIMITED**



*toll free: 1-800-268-5058*  
*in North America*

phone: (905) 878-8891 • fax: (905) 878-7800

5516 - 8th Line, R.R.#2, Hornby, Ontario, CANADA L0P 1E0

or visit our website for a list of our international distributors including contact information  
website: [www.cedarlanelabs.com](http://www.cedarlanelabs.com) • e-mail: [info@cedarlanelabs.com](mailto:info@cedarlanelabs.com)