

# Product Datasheet

## BCIP/NBT Alkaline Phosphatase Substrate NB900-78646

Unit Size: 15 ml

Store at 4C. Do not freeze.

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**NB900-78646****BCIP/NBT Alkaline Phosphatase Substrate**

<b>Product Information</b>	
<b>Unit Size</b>	15 ml
<b>Concentration</b>	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Product Description</b>	
<b>Specificity/Sensitivity</b>	<p>May be used as a substrate/chromagen in conjunction with Alkaline Phosphatase based immunostaining systems.</p> <p>Alkaline Phosphatase substrate/chromogen. Alkaline phosphatase cleaves the phosphate group from BCIP to produce precipitatin indoxyl group. This group then dimerizes resulting in reduction of NBT to produce dark blue insolubule Formazen product.</p>
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In-situ Hybridization
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, In-situ Hybridization
<b>Application Notes</b>	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. Alkaline phosphatase is often used as a label for in situ hybridization, IHC, Southern and Northern hybridization and DNA sequencing.



## Procedures

### BCIP/NBT Alkaline Phosphatase Substrate Protocol (NB900-78646)

- 1.) Once tissue sections have been incubated with alkaline phosphatase, wash them with buffer thoroughly.
- 2.) Wipe the glass to remove excess of buffer and add enough drops of the BCIP/NBT solution to cover the tissue sections.
- 3.) 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.



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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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