

## Naphthol Phosphate Buffer (High Contrast)

**Description:** Naphthol Phosphate Buffer (High Contrast) is designed to improve the staining intensity of immunochemical procedures when utilizing antibodies that do not generally result in strong reactions. Fast-Red in naphthol phosphate is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of alkaline phosphatase enzyme, Fast-Red produces a bright red precipitate that is soluble in alcohol. Fast-Red tablets are required but not included.

**Uses:** For use with Alkaline Phosphatase enzyme.  
Immunohistochemical procedures.  
Dot Blot

**Limitations:** Do not use past expiration date.

<b>Availability:</b>	<b>REF:</b>	<b>Volume</b>	<b>Description</b>
	NPC125	125ml	Naphthol Phosphate Buffer (High Contrast)
	NPC500	500ml	Naphthol Phosphate Buffer (High Contrast)


<b>Required:</b> (But not included)	<b>REF:</b>	<b>Volume</b>	<b>Description</b>
	FRT025	25 Tablets	Fast-Red Tablets
	FRT100	100 Tablets	Fast-Red Tablets

**Storage:** 2-8° Centigrade.

### Immunohistochemical Staining Procedure:

1. Combine 1 Fast-Red tablet (REF: FRT) with 5ml of Naphthol Phosphate Buffer (High Contrast) and shake until fully dissolved.
2. Apply mixture to tissue section.
3. Incubate tissue section for 5 minutes.
4. Rinse in DI water and repeat step 3 for an additional 5 minutes (repeat until desired color intensity is achieved).
5. Rinse tissue, counterstain\*, and coverslip using an aqueous mounting media (REF: AMT030).

Storage: 2° C  8° C

 ScyTek Laboratories, Inc.  
205 South 600 West  
Logan, UT 84321  
435-755-9848  
U.S.A.

 Authorized Representative in Europe  
 (Regulatory affairs only)  
EmergoEurope (31)(0) 70 345-8570  
Molsstraat 15  
2513 BH Hague, The Netherlands

## Instructions For Use NPC-IFU

Rev. Date: Sept. 30, 2005

Revision: 1


Page 2 of 2


P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

\* Suggested counterstains.

<u>REF:</u>	<u>Volume</u>	<u>Description</u>
HAQ500	500ml	Hematoxylin, For Automation
MGS500	500ml	Methyl Green (Purified) Solution

**Precautions:** Avoid contact with skin and eyes.  
Do not pipette by mouth.

Storage: 2° C  8° C

 ScyTek Laboratories, Inc.  
205 South 600 West  
Logan, UT 84321  
435-755-9848  
U.S.A.

 Authorized Representative in Europe  
 (Regulatory affairs only)  
EmergoEurope (31)(0) 70 345-8570  
Molsstraat 15  
2513 BH Hague, The Netherlands