

**FAST RED SUBSTRATE/CHROMOGEN SYSTEM**  
**For Immuno-Alkaline Phosphatase enzyme staining system**  
*Background Free,*

**PRODUCT # NB317SBF (70 ml of Fast Red Substrate buffer, 14 Fast Tablets (500-600 tests))**

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**INTRODUCTION**

Fast Red belongs to a family of diazonium salts that upon hydrolysis of naphthol phosphate esters substrate by the alkaline phosphatase enzyme, a phenol compound is produced. Then phenol compound when coupled with Fast Red diazonim salt produces a red color precipitate that is useful in enzyme immunocytochemistry where specimens are visualized by light microscopy.

**PRODUCT DESCRIPTION**

Fast Red/substrate chromogen system is a two-component system. The mixed chromogen/substrate solution is used in immuno-alkaline phosphatase staining procedure.

**SYSTEM COMPONENTS & SPECIFICATIONS**

- 70 ml of nephtol phosphate substrate buffer
- 14 Fast Red tablets

**APPLICATION / INTENDED USE**

This product is intended for visualization of immunolocalization of primary antibodies in tissue and cell smears in enzyme Immunostaining procedures.

**STORAGE CONDITIONS**

Store in refrigerator at 2-8°C through expiration date noted on the vial.

**Recommended incubation time**

Mixed Fast Red chromogen/substrate solution: 15-20 minutes

**INSTRUCTIONS**

1. Pour 5 ml of substrate buffer (component 1) to the reusable graduated mixing tube (provided).
2. Add on Fast Red tablet to the 5 ml of substrate buffer.
3. Incubate the section or smear for 15-20 minutes at room temperature.
4. Rinse in tap water.
5. Counterstain with an aqueous based hematoxylin (Innovex Product NB305).
6. Mount slides with aqueous based permanent "Advantage" Mounting Media (Innovex Product NB3000).

**FOR RESEARCH USE ONLY**