

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

Technical Data Sheet

PRODUCT NUMBERS: NB317SBF; 70 ml of Fast Red Substrate buffer, 14 Fast Red Tablets (500-600 tests)

NB317SBF-35; 35 ml of Fast Red Substrate buffer, 7 Fast Red Tablets (250-300 tests)

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 naphthol phosphate substrate buffer (Large volume)
- 14 Fast Red tablets (Large volume)

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)

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