

Liquid Fast Red Substrate Kit

| <u>Cat No.</u> | <u>Quantity</u> |
|----------------|-----------------|
| 10-0008 | 100 mL |

Intended Use

For Research Use Only.

Fast Red Substrate Kit is intended for use during immunohistochemical (IHC) and in situ hybridization staining procedures on tissue sections when Alkaline Phosphatase (AP) is used as the enzyme. Upon addition to the antibody-AP complex, Fast Red forms a pink or bright light red precipitate at the antigen location. The staining location and pattern is easily observable by light microscopy.

Reagents Supplied

Reagent A: 50 mL bottle of **Fast Red Solution (2X)**

Reagent B: 50 mL bottle of **Naphthol Phosphate Substrate (2X)**

Procedure

1. Prepare Ready-To-Use Fast Red substrate solution. Add Fast Red Solution Naphthol Phosphate Substrate and mix the two solutions in a 1:1 ratio with the volume determined by the number of slides to stain. In general, 200 μ L of mixed substrate solution is sufficient to cover one tissue slide.

Note: Do not equilibrate the entire bottle of either reagent at room temperature. Pour out the necessary amount of each solution and allow the aliquoted volumes to equilibrate at room temperature before mixing. After mixing in a 1:1 ratio, the resulting Ready-To-Use substrate solution should be used immediately.

2. Complete AP steps and wash slides.

3. Add substrate solution on slides and incubate at room temperature for 5 to 10 minutes, tap off chromogen, and repeat step 3 once more.

Note: Do not wash in-between the two incubations.

4. Rinse slides with tap water to remove excess substrate solution.

5. Proceed with counterstaining and mounting protocol.

Note: Fast Red forms an end-product which is soluble in organic compounds. Therefore, it is necessary to use a nonalcoholic counterstain, such as Mayer's or Gill's Hematoxylin, and an aqueous based mounting medium. Do not use mounting media containing organic solvent.

Storage

Store at 2-8°C. Do not freeze.

All performance claims are void after the expiration date.

Fast Red Solutions (Reagent A and B) are light sensitive. Store reagents in their original amber bottle away from direct light.

Precautions

For professional users only.

Fast Red Solution is susceptible to contamination from oxidizing agents. To avoid contamination, do not pipette Reagent A directly out of the bottle.

Proper handling of this product should be used according to local and applicable regulations.

Risk Statements: Fast Red Solution

R45 May cause cancer

Symbols



Catalog No.



Batch No.



Temperature Range



Use By

