Genemed
Biotechnologies, Inc.

Liquid Fast Red Substrate Kit

Cat No.	Quantity
10-0008	25 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 red precipitate at the antigen location. The staining location and pattern is easily observable by light microscopy.

Reagents Supplied

Reagent A: **Fast Red Chromogen Solution,** 0.7 mL dropper bottle, Concentrate

Reagent B: **Fast Red Buffer Solution**, 25 mL dropper bottle, Ready-To-Use

Procedure

1. Prepare Ready-To-Use Fast Red substrate solution. Mix Reagent A gently by inverting several times. Add 1 drop of Reagent A Fast Red Chromogen Solution to 2.5 mL of Reagent B Fast Red Buffer Solution.

   Note: Prepare the Fast Red substrate solution immediately before use. The working substrate solution is stable for 30 minutes. Do not reuse. Discard any unused solution.

2. Add substrate solution on slides and incubate at room temperature for 15 to 20 minutes.

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

4. Proceed with counterstaining and mounting protocol.

   Note: Fast Red forms an end-product which is soluble in organic compounds.
   a. **It is necessary to use a nonalcoholic counterstain, such as Mayer's or Gill's Hematoxylin, and an aqueous based mounting medium (e.g. Genemed CleanMount™ Aqueous Mounting Solution, Cat. No. 10-0034 or 10-0035).**
   b. **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) are light sensitive. Avoid exposing reagents to light.

Precautions

For professional users only.

Fast Red Solution is susceptible to contamination from oxidizing agents.

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

Symbols

REF	LOT	Temperature Range	Use By
Catalog No.	Batch No.	Temperature Range	Use By

Rev. 00