

# Certificate of Analysis

**Product:** FastRed Substrate Kit

**Catalog Number:** tkf82500

**Lot #:**

**Shipping Condition:** Blue ice

**Storage Condition:** 2-8°C

## Description

Alkaline phosphatase is commonly used in Immunohistochemistry and In situ hybridization. FastRed/Naphthol AS-Mx is the most commonly used substrate chromogen of alkaline phosphatase. The end product is a pink color precipitate. Components in this kit are prepared with pure chemicals according to the proprietary technology. One Kit is consisted of two components: 5 ml of 20 x Solution A and 5 ml of 20 x Solution B. It is enough for staining 500 standard tissue sections. The end product is a pink color precipitate. This product is not compatible with organic solvents.

## Quality Control

The solution of each lot are tested by immunohistochemistry, and the results are consistent lot to lot.

## Protocol

Both Solution A and B are 20 x concentrated solution. For preparation of 1 ml substrate working solution, add 50 µl of Solution A to 900 µl of distilled water, mix well. Then add 50 µl of Solution B to the mixture, mix well. This is ready to use working solution. Add the working solution to cover the tissue specimen. Incubate at room temperature until enough color developed. The end product is pink color precipitate.

## Kit Components

1. One FastRed substrate kit contains the following reagents

Item	Part #	Amount	Storage
1. Solution A (20 x solution)	tkf82500-A	5 ml	4°C
2. Solution B (20 x solution)	tkf82500-B	5 ml	4°C

2. One Certificate of Analysis

3. One MSDS

**FOR RESEARCH USE ONLY**

**APPROVED BY:**