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## Product Information

### FAST RED RC TABLETS

Product No. **F 5146**

Store at room temperature

#### Product Description

Fast Red RC is used in conjunction with the alkaline phosphatase substrate Naphthol AS-TR Phosphate (Product No. N8518) in immunoblotting and immunohistological staining procedures. This substrate system provides an insoluble end product that is red in color and can be observed visually. Fast Red Tablets may also be used with other naphthol phosphate derivatives and in other various applications.

Substrate Content	10 mg
Appearance	Beige, round tablet, 1/8" in diameter
Tablet Weight	17 mg (Range 14.45-19.55 mg)
Solubility*	Clear, pale yellow solution
Dissolution Time*	Not more than 10 minutes
pH*	4.5 (range 4.0 - 5.5)
Activity	Comparable to the untableted powder (Product No. F2256)

\*One tablet dissolved in 10 ml of deionized water.

#### Packaging

50 or 100 tablets per bottle. Custom packaging and bulk purchase information available upon request.

#### Uses

##### Fast Red RC Stock Solution

Prepare Fast Red RC stock solution by dissolving one tablet in 10 ml of 0.2 M Tris buffer, pH 8.0

##### Naphthol AS-TR Phosphate Stock Solution

Prepare Naphthol AS-TR Phosphate stock solution by dissolving one Naphthol AS-TR Phosphate Tablet (Product No. N8518) in 10 ml of deionized water.

##### Substrate Buffer

To prepare 0.2 M Tris Buffer, pH 8.0, dissolve 6.055 grams Trizma Base (Product No. T1503) in 250 ml deionized water. Adjust pH to 8.0 with HCl, bring volume to 250 ml and check pH.

##### Substrate Solution

Prepare substrate solution by combining equal volumes of Fast Red RC stock solution and Naphthol AS-TR Phosphate stock solution.

#### Storage

Store at room temperature.

#### References:

1. Pluzek, K-J. and Ramlau, J., Handbook of Immunoblotting of Proteins, Volume I, Bjerrum, O.J. and Heegaard, N.H.H., eds., CRC Press, Inc., Boca Raton, FL, 177 (1988).
2. Larsson, L-I., Immunocytochemistry: Theory and Practice, CRC Press, Inc., Boca Raton, FL, 95(1988).

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Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.

Please see reverse side of the invoice or packing slip.