



# **Nuclear Fast Red Solution**

**Catalog number: AR0008**

Boster's Nuclear Fast Red is a rapid staining solution which is a popular alternative to hematoxylin and typically stains nuclei in five minutes.

This package insert must be read in its entirety before using this product. For research use only. Not for use in diagnostic procedures.

## Nuclear Fast Red Solution

Catalog Number: AR0008

### Overview

Product Name	Nuclear Fast Red Solution
SKU/Catalog Number	AR0008
Pack Size	12 mL(for 240 assays)
Form Supplied	Solution
Format	Ready-to-Use
Concentration	0.1% Nuclear Fast Red Solution in distilled water
Appearance	Red
Storage	Upon receipt store at 4°C for one year.
Application	Counterstain in IHC (BCIP/NBT chromogenic reaction)
Equivalent	Vector Labs (Product No. H-3403), Millipore Sigma (Product No. N 8002)
Description	Boster's Nuclear Fast Red Solution is a rapid staining solution which is a popular alternative to hematoxylin and typically stains nuclei in five minutes.
Cite This Product	Nuclear Fast Red Solution (Boster Biological Technology, Pleasanton CA, USA, Catalog # AR0008)

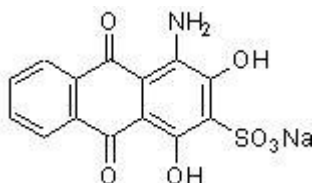
### Chemical structures

Molecular formula: C<sub>14</sub>H<sub>8</sub>NNaO<sub>7</sub>S

Molecular weight: 357.28

CAS Number: 6409-77-4

Chemical structure:



## Background

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Nuclear Fast Red Solution is suitable for the determination of calcium. It is suitable for use in prussian blue staining in neural progenitor cells. It may be employed as highly sensitive "off/on" fluorescent probe for the determination of guanine. Nuclear fast red (2-anthracenesulfonic acid, 4-amino-9,10-dihydro-1,3-dihydroxy-9,10-dioxo-, monosodium salt) may be used as selective complexing agent for the simultaneous determination of copper and bismuth by adsorptive stripping voltammetry.

Boster's Nuclear Fast Red is an optimized nuclear counterstain solution that produces an intense nuclear stain. It is an anionic dye used in conjunction with an aluminium salt as a mordant. In contrast to hematoxylin, Nuclear Fast Red is a rapid staining procedure, which requires only step and stains nucleus in five minutes. It is an excellent alternative in multiple labeling when hematoxylin would otherwise obscure the substrate colors.

## Protocol

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1. Rinse sections in distilled water.
2. Add 50  $\mu$ l Nuclear Fast Red directly onto the tissue section and incubate for 5 minutes.
3. Wash with distilled water for 1 minute.