



Instructions For Use NFS-IFU

Rev. Date: Feb. 16, 2012

Revision: 3

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

Nuclear Fast Red Solution (Enhanced Stability)

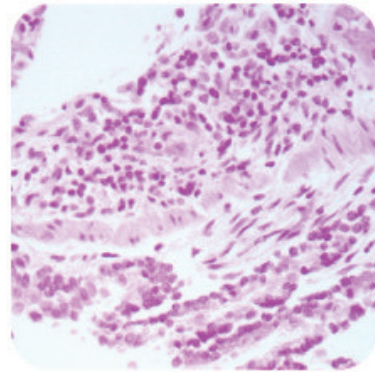
Description:

Nuclear Fast Red is a stain with histological applications. The reagent has improved stability over current formulations allowing storage at temperatures ranging from 2-30° Centigrade. Current formulations tend to precipitate in cold temperatures such as experienced during winter shipping. In addition, most formulations develop a small amount of precipitate over extended periods of time. This advanced formulation eliminates problems associated with exposure to cold and aging.

Nuclei: Red
Cytoplasm: Pale Pink

Uses/Limitations:

Not to be taken internally.
For In-Vitro Diagnostic use only.
Histological applications.
Do not use if reagents become cloudy.
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile.



Control Tissue:

Any well fixed paraffin embedded or frozen tissue section.
Cell Smear.
Cytospin.

Ordering Information and Current Pricing at www.scytek.com

Availability:

<u>Item #</u>	<u>Volume</u>
NFS125	125 ml
NFS500	500 ml
NFS999	1000 ml

Storage Conditions: 2-30° Centigrade

Precautions:

Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C



30° C



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Procedure:

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply Nuclear Fast Red Solution (Enhanced Stability) and incubate for 1-5 minutes.
3. Rinse in 2 changes of distilled water.
4. Dehydrate through graded alcohols.
5. Clear, and mount in synthetic resin.

References:

1. Lee, J.H., Smith, M.A., Liu, W., Gold, E.M., Lewis, B., Song, H.T., Frank, J.A. Enhanced stem cell tracking via electrostatically assembled fluorescent SPION-peptide complexes. *Nanotechnology*, September 2, 2009, Volume 20(35): 355102. doi: 10.1088/0957-4484/20/35/355102
2. Song, H.T., Jordan, E.K., Lewis, B.K., Gold, E., Liu, W., Frank, J.A., Quantitative T2* imaging of metastatic human breast cancer to brain in the nude rat at 3T \ddagger . *NMR in Biomedicine*, April 2011, Volume 24, Issue 3: pages 325-334. doi: 10.1002/nbm.1596
3. Burks, S.R., Ziadloo, A., Hancock, H.A., Chaudhry, A., Dean, D.D., Lewis, B.K., Frenkel, V., Frank, J.A. Investigation of Cellular and Molecular Responses to Pulsed Ultrasound in a Mouse Model. *PLoS One*. 2011, Volume 6(9): e24730. doi: 10.1371/journal.pone.0024730

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