**Nuclear Fast Red Solution Staining Protocol**

General notes

Nuclear Fast Red Solution is a stain with histological applications. The reagent has improved stability over current formulations. 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.

<https://www.abcam.com/products/reagents/nuclear-fast-red-solution-ab246831.html#description_references>

Results

Nuclei: Red  
Cytoplasm: Pale Pink

**Procedure:**

1. Hydrate to distilled water.

2. Apply Nuclear Fast Red Solution and incubate for 1-5 minutes.

3. Rinse in 2 changes of distilled water.

4. Dehydrate through graded alcohols.

5. Clear, and mount in Xylene.

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| **Nuclear Fast Red Staining Protocol Summary** | | | | |
| *Step* | *Description* | *Duration* | | |
| Step 1 | Hydrate in diH2O | ~5 mins | | |
| Step 2 | Apply Nuclear Fast Red Solution | 30 secs | 1 min | 5 mins |
| Step 3 | Rinse in 2x diH2O | ~30 secs/each | | |
| Step 4 | Dehydrate through graded Ethanol:  95% → 95% → 100% → 100% | ~20 secs/each | | |
| Step 5 | *Air dry slides completely before clearing* | | | |
| Step 6 | Clear in Xylene | ~5 mins | | |
| Step 7 | Mount cover slip | | | |

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| **Nuclear Fast Red Staining Protocol** | | | | |
| *Step* | *Description* | *Duration* | | |
| Step 1 | Hydrate in diH2O | ~5 mins | | |
| Step 2 | Apply Nuclear Fast Red Solution | 2.5 mins | 5 min | 7.5 mins |
| Step 3 | Rinse in 2x diH2O | ~30 secs/each | | |
| Step 4 | Dehydrate through graded Ethanol:  95% → 95% → 100% → 100% | ~20 secs/each | | |
| Step 5 | *Air dry slides completely before clearing in Xylene* | | | |
| Step 6 | Clear in Xylene | ~5 mins | | |
| Step 7 | Mount cover slip | | | |