

## FD Eosin Y Solution

(Cat. #: PS103)

FD eosin Y solution is formulated for the counterstaining of tissue sections (e.g. use in combination with hematoxylin, cresyl violet, thionin or Azure II stains). This solution can be used with frozen or paraffin-embedded\* tissue sections. The following procedure has been proven to produce excellent results in most cases. However, variation in tissues and tissue processing may require that the duration of steps 6-9 (cf. below) be shortened or lengthened to obtain the best results. The staining procedure takes approximately 1 hour and should be carried out at room temperature.

### Staining Procedure:

1. Place in xylene or xylene substitutes for 3 minutes.
2. Place in 100% (200 proof) ethanol, 2 changes, 3 minutes each.
3. Place in 95% ethanol for 3 minutes.
4. Place in 75% ethanol for 3 minutes.
5. Place in distilled water, 3 changes, 3 minutes each.
6. Stain in FD eosin Y solution for 5-10 minutes depending on the desired intensity.  
**Note:** the solution should be filtered before use.
7. Rinse quickly in distilled water (may skip if too much color is lost during washing or the following alcoholic dehydration).
8. Rinse briefly in 95% ethanol, 3 dips.
9. Dehydrate in 100% (200 proof) ethanol, 4 changes, 2 minutes each (may prolong to decrease the background staining).
10. Clear in xylene or xylene substitutes, 3 changes, 3 minutes each.
11. Coverslip in resinous mounting medium (e.g. Permount®).

### Results:

Cytoplasm, collagen, keratin and erythrocytes are stained in various shades of pink.

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**Warning:** Xylene and ethanol are harmful or toxic to human if ingested or inhaled. The experiment should be performed under a chemical hood with appropriate protection. Avoid contact with skin and eyes. Wear glasses and disposable gloves while doing the experiment.