

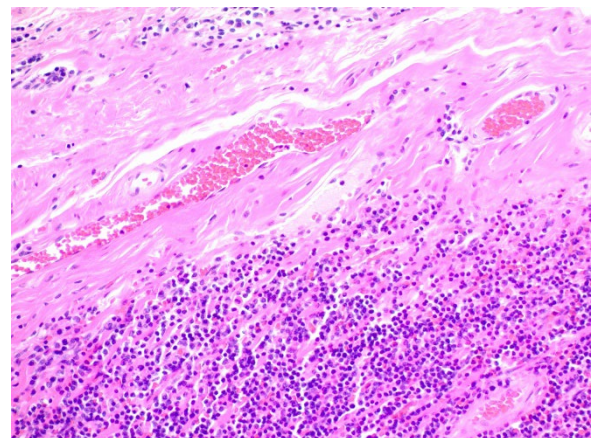
## Eosin Y Solution (Alcoholic)

**Description:** Eosin Y Solution is intended for use in the histological demonstration of cytoplasm and is commonly used as a counterstain for Hematoxylin. When used correctly, various shades of pink can be obtained to aid in visualization of tissue components. Erythrocytes, collagen, and the cytoplasm of muscle or epithelial cells will stain with different shades of pink.

Collagen, Muscle, Erythrocytes: Various shades of Pink  
Nuclei after Eosin: Blue to Violet

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

**Control Tissue:** Any well-fixed tissue.



**Availability/Contents:**

<u>Item #</u>	<u>Volume</u>	<u>Storage</u>
EYA500	500 ml	18-25°C
EYA999	1000 ml	18-25°C
EYA3800	1 Gallon	18-25°C

*Also available in bulk. Please contact for pricing and availability.*

**Precautions:** Avoid contact with skin and eyes.  
Solution is alcoholic, avoid sparks and flame and tighten lid securely.  
Follow all Federal, State, and local regulations regarding disposal.

**Procedure:**

1. Stain for 1-5 minutes in preferred Hematoxylin **Note: Usually longer incubation times provide a darker stain.** (ScyTek Cat# HMM)
2. Rinse slide in tap or deionized water.
3. If desired, blue in bluing reagent for 15-30 seconds (ScyTek Cat# BRT).

## Instructions For Use EYA-IFU

Rev. Date: Apr. 30, 2019

Revision: 4

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4. Rinse slide in tap or deionized water.
5. Dip or rinse slide quickly several times in 90-100% ethanol to remove water and prep tissue for Eosin Y (Alcoholic).
6. Continue with incubation in Eosin Y Solution (EYA) for 1-5 minutes based on desired intensity. **Note:** *If pipetting small amounts of Eosin onto a horizontal slide, expect substantial evaporation over time which can concentrate the solution and lead to darker staining. Allowing complete drying of reagent on slide is not suggested.*
7. Rinse quickly in 90-100% alcohol followed by further dehydration in absolute alcohol.
8. Clear, and mount in synthetic resin.

### References:

1. Niu, Shuiqin, Ling-Kun Zhang, Li Zhang, Siyi Zhuang, Xiuyu Zhan, Wu-Ya Chen, Shiwei Du, et al. "Inhibition by Multifunctional Magnetic Nanoparticles Loaded with Alpha-Synuclein RNAi Plasmid in a Parkinson's Disease Model." *Theranostics* 7, no. 2 (January 1, 2017): 344–56. <https://doi.org/10.7150/thno.16562>.

Storage: 2°C  
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