

# Bluing Reagent for Hematoxylin

**Description:** A pH-controlled solution for quick and effective bluing of hematoxylin used in histological and cytological procedures.

Nuclei: Purple  
Nuclei after Bluing: Blue

**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 stained with hematoxylin.

**Availability/Contents:**

<u>Item #</u>	<u>Volume</u>	<u>Storage</u>
BRT500	500 ml	18-25°C
BRT999	1000 ml	18-25°C
BRT3800	1 Gallon	18-25°C

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

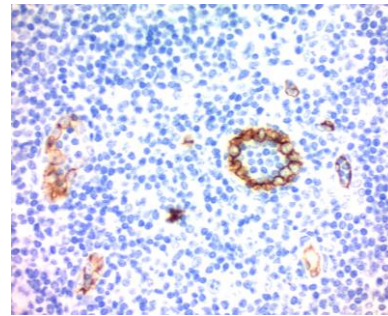


Fig 1. IHC Staining with CD34 on Human tonsil. Counterstained with Mayer's Hematoxylin (Lillie's Modification) for 30 seconds followed by bluing with Bluing Reagent.  
Product Codes:  
CD34 – A00070  
Hematox. – HMM  
Bluing Reagent – BRT

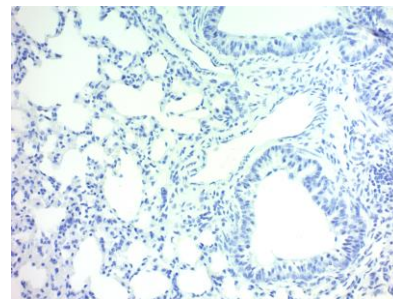


Fig 2. Blued Hematoxylin on Pig Lung.  
Product Codes:  
Hematoxlyn. – HMM  
Bluing Reagent – BRT

**Precautions:** Avoid contact with skin and eyes.  
Follow all Federal, State, and local regulations regarding disposal.

**Procedure(s):**


**Counterstaining for IHC:**

Dip slide in Mayer's Hematoxylin (Lillie's Modification) several times. Blue in bluing reagent for 15-30 seconds.


-OR-

Incubate in Mayer's Hematoxylin (Lillie's Modification) for 30-60 seconds. Blue in bluing reagent for 15-30 seconds.

Storage: 2° C  8° C

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**H&E staining and Hematoxylin standalone:**

1. Stain for 3-5 minutes in Mayer's Hematoxylin (Lillie's Modification). **Note: Longer incubation times provide a darker stain.**
2. Blue in bluing reagent for 15-30 seconds.
3. Continue with incubation in Eosin or dehydration and clearing and mounting.

**References:**

1. Nandi, Shyam Sundar, Hamid Reza Shahshahan, Quanliang Shang, Shelby Kutty, Michael Boska, and Paras Kumar Mishra. "MiR-133a Mimic Alleviates T1DM-Induced Systolic Dysfunction in Akita: An MRI-Based Study." *Frontiers in Physiology* 9 (October 10, 2018). <https://doi.org/10.3389/fphys.2018.01275>.

Storage: 2° C



8° C



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