



VECTOR®
HEMATOXYLIN
NUCLEAR COUNTERSTAIN
(Gill's Formula)
Catalog Number H-3401

This nuclear counterstain is designed to be used after completion of immunohistochemical staining or for routine histology. Nuclei in stained sections will be blue.

INSTRUCTIONS FOR USE:

1. Rinse slides in tap water.
2. Immerse slides in Vector® Hematoxylin counterstain or apply counterstain directly to slide, completely covering the tissue section.
3. Incubate sections with Vector® Hematoxylin for 1-5 minutes.
4. Rinse sections with running tap water until rinse water is colorless.
5. Dip slides 10 times in acid rinse solution* followed by 10 dips in tap water.
6. Incubate slides in bluing solution** for 1 minute followed by 10 dips in tap water.
7. Mount sections in aqueous or permanent mounting media as per standard protocols.

* Acid rinse solution: 2 ml glacial acetic acid + 98 ml of deionized or distilled H₂O.
This rinse will eliminate any faint blue background staining on the glass slides.

** Bluing solution: 1.5 ml NH₄OH (30% stock) + 98.5 ml of 70% ethanol.

NOTES:

For quick hematoxylin staining without a bluing step, please use Vector® Hematoxylin QS nuclear counterstain, Cat. No. H-3404.

Counterstain intensity should be optimized for each tissue type, antigen unmasking protocol, and immunocytochemical staining intensity desired.

Generally, hematoxylin solutions produce a more intense nuclear stain with age. Staining times can be adjusted to achieve the desired nuclear intensity.

See reverse side for substrate compatibility.

Use ordinary precautions to avoid contact with skin and eyes.

This product is for research use only.