

Harris' Hematoxylin

**national
diagnostics**

- *Finest control of the ripening process*
- *Longest shelf life*
- *Fewest artifacts*
- *Reproducible vibrant staining*

The most commonly used histological stain, hematoxylin is a natural compound extracted from a species of tree found in Mexico and the West Indies. The extracted compound is oxidized to produce hematein, the active staining component of the hematoxylin stain.

The production of histological staining solutions is an art. Only a few laboratories are capable of developing a stain of reliable vibrance. At National Diagnostics we have gone one step further. Our proprietary methods achieve the finest control of the ripening process, resulting in the only commercially available Harris' Hematoxylin with a full one year shelf life.

Harris' Hematoxylin Order No. HS-400	1 liter
Scott's Tapwater Order No. HS-404	1 liter
Eosin Solution Order No. HS-402	100 mL
Histo-Clear Order No. HS-200	1 liter 1 gallon 5 gallons
Histological Grade Ethanol Order No. HS-300	1 liter 4 liters 20 liters
Histomount Order No. HS-103	100 mL 450 mL

For additional information and order placement:

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PROCEDURE

Note: The following protocol has given good to excellent results with a wide variety of tissue sections. It may need to be optimized for a given tissue, section thickness, etc.

1. Dewax and rehydrate slides

a) Immerse slides in the following sequence of baths:

- Histo-Clear - 10 minutes
- Histo-Clear - 10 minutes
- 100% ethanol - 2 minutes
- 95% ethanol - 2 minutes
- 50% ethanol - 2 minutes
- Water - 2 minutes

2. Stain

a) Immerse slides in Hematoxylin solution for 10-20 minutes.

b) Rinse 2 minutes in water or Scott's Tapwater substitute.

c) Differentiate with 2-5 dips in 70% ethanol containing 0.1% HCl.

d) Immerse for 2 minutes in Scott's Tapwater substitute.

e) Stain in 1% aqueous Eosin with 0.1 acetic acid for 10 minutes.

3. Dehydrate, clear and mount

a) Immerse slides in the following sequence of baths:

- 50% ethanol - 2 minutes
- 95% ethanol - 2 minutes
- 100% ethanol - 2 minutes
- Histo-Clear - 10 minutes
- Histo-Clear - 10 minutes

b) Mount coverslip with Histomount.