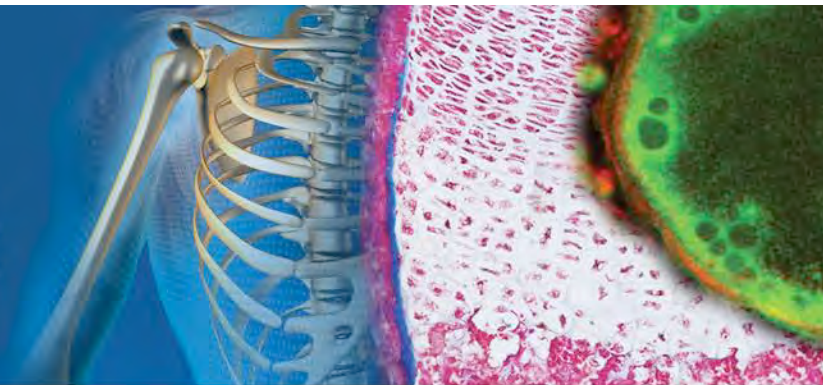




Hematoxylin and Eosin Stain **(H&E)**

TECHNIQUE: Formalin fixed, paraffin tissue sections

REAGENTS:

Tacha's CAT Hematoxylin (Biocare Medical, catalog# CATHE-GL)

1X PBS (pH 7.2-7.3)

Alcoholic-Eosin

1.0% Eosin Y

Eosin Y (CAS# 17372-87-1) -----	1.0 g
Distilled water -----	100 ml

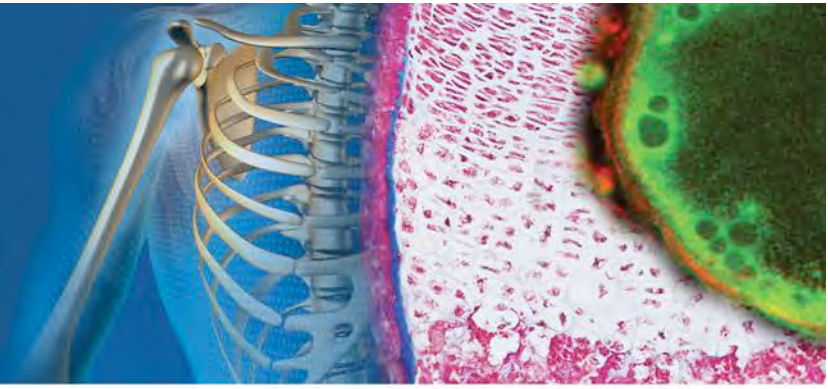
1.0% Phloxine B

Phloxine B (CAS# 18472-87-2) -----	0.5 g
Distilled water -----	50.0 ml

Working Alcoholic-Eosin Solution

1.0% Eosin Y -----	50.0 ml
1.0% Phloxine B -----	5.0 ml
95% Ethanol -----	390.0 ml
Acetic acid, glacial -----	4.0 ml





Hematoxylin and Eosin Stain (H&E)

PROCEDURE:

1. Deparaffinize and rehydrate slides to distilled water
2. Stain in Tacha's **CAT Hematoxylin** for **1 minute**
3. Wash with 4-5 changes of **Tap water** or until blue stops coming off slides
4. Blue nuclei in **1X PBS** for **1 minute**
5. Wash with 3 changes of **distilled water**
6. Counterstain in Alcoholic-**Eosin** for **1 minute (DO NOT RINSE)**
7. Dehydrate through 3 changes of 95% EtOH and 2 changes of 100% EtOH (1 minute each change)
8. Clear in 3 changes of Xylene (1 minute each change) and coverslip

*Do NOT rinse with water after Alcoholic-Eosin! Go directly into dehydration of slides.

RESULTS:

Nuclei ----- blue
Cytoplasm ----- pink
Erythrocytes ----- bright red
All other eosinophilic structures ----- red, pink, or orange

