

Safranin O Stain Kit

Product name: Safranin O Stain Kit

Catalog No.: TASS10

Introduction:

Safranin O staining is employed to identify cartilage, mucin, and mast cell granules in both paraffin-embedded tissue and frozen sections. Cartilage and mucin will appear as orange-red stains, while nuclei will be blackened. The background will exhibit a bluish-green stain.

Form:

Catalog No.	Size
TASS10-125	125ml
TASS10-250	250ml

Kit Contents (for 125 / 250ml kit):

Kit Contents	Format	Recommend time	Storage
Weigert's Iron Hematoxylin Solution (A)	Concentrate ,65/125ml	10 minutes.	25-28°C
Weigert's Iron Hematoxylin Solution (B)	Concentrate ,65/125ml	10 minutes.	25-28°C
Fast Green (FCF) Solution	Ready to Use ,125/250ml	5-10 minutes.	25-28°C
Safranin O Solution	Ready to Use ,125/250ml	5-10 minutes.	25-28°C
Control slide x 2	Bone and cartilage	--	25-28°C

Reagent necessary but not included:

1. 100% Alcohol
2. 1% acetic acid solution
3. Acid EtOH : 500ul HCl add to 200ml 70% EtOH.

Preparing before use:

Weigert's Iron Hematoxylin Working Solution:

Mix equal parts of stock solution A and B.

This working solution is stable for about 4 hours, cannot be used beyond this time.

Staining Protocol Recommendations:

1. Deparaffinize and hydrate slides to distilled water.
2. Stain with Weigert's iron hematoxylin working solution for 10 minutes.
3. Wash in running tap water for 5 minutes.
4. Destain quickly in Acid EtOH (2-3 dips). Wash in running tap water for 2 minutes.
5. Stain with fast green (FCF) solution for 5 minutes.
6. Rinse quickly with 1% acetic acid solution for no more than 10 -15 seconds.
7. Stain in Safranin O solution for 5-10 minutes.
8. Dehydrate and clear with 95% ethyl alcohol, absolute ethyl alcohol, and xylene, using 2 changes each, 2 minutes each.
9. Air Dry and mount using resinous medium.

Results:

Nuclei ----- black
Cytoplasm ----- bluish green
Cartilage, mucin, mast cell granules ----- orange to red

Positive Controls:

lung, cartilage, stomach, bone

Storage and Stability:

Please review the kit contents and adhere to the specified storage conditions. It is the responsibility of the user to verify any alternative storage conditions. When stored correctly, the reagent remains stable until the date specified on the label. Do not utilize the reagent past its expiration date. If unexpected results occur that cannot be attributed to laboratory procedure variations, and you suspect an issue with the reagent, please reach out to our Technical Support at info@biotna.net.