

## Safranin O Stain Kit

**Product name: Safranin O Stain Kit**

**Catalog No.: TASS10**

**Introduction:**

**Safranin O stain** is used for the detection of cartilage, mucin, and mast cell granules on both paraffin-embedded tissue and frozen sections. The cartilage and mucin will be stained orange to red, and the nuclei will be stained black. The background is stained bluish green.

**Form:**

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

**Kit Contents (for 250ml kit):**

Kit Contents	Format	Recommend time	Storage
Weigert's Iron Hematoxylin Solution (A)	Concentrate ,125/250ml	10 minutes.	25-28°C
Weigert's Iron Hematoxylin Solution (B)	Concentrate ,125/250ml	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	Pig skin and others	--	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 weeks.

**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:**

Skin, lung, stomach, intestine, cartilage

**Storage and Stability:**

Please read the kit contents and follow the storage condition. The user must validate any other storage conditions. When properly stored, the reagent is stable until the date indicated on the label. Do not use the reagent beyond the expiration date. If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical: [info@biotna.net](mailto:info@biotna.net)