

## Von Kossa kit

**Product name: Von Kossa kit**

**Catalog No.: TASS05**

**Introduction:**

The Von Kossa stain is a widely used staining method to illustrate mineralization such as calcium and potassium in tissues. In this method, silver ions react with phosphate in the presence of acidic material, and the silver phosphates undergo a photochemical degradation, leading to the observation of metallic silver deposits.

**Form:**

Catalog No.	Size
TASS05-250	250ml
TASS05-500	500ml

**Kit Contents (for 250/500ml kit):**

Kit Contents	Format	Recommend time	Storage
Aqueous Silver Nitrate Solution	Ready to use, 250/500ml	10-20 minutes.	25-28°C
Sodium Thiosulfate	Ready to use, 250/500ml	2 minutes.	25-28°C
Nuclear Fast Red	Ready to use, 250/500ml	5-10 minutes.	25-28°C
Control slide x 2	bone	--	25-28°C

Reagent necessary but not included:

1. 100% alcohol.
2. Xylene
3. ultraviolet light

**Staining Protocol Recommendations:**

1. Deparaffinize paraffin sections and hydrate to water.
2. Rinse in several changes of deionized water.
3. Incubate sections with silver nitrate solution in a clear coplin jar placed under ultraviolet light for 10-20 minutes. Longer staining is required for up to several hours to increase the result.
4. Rinse in several changes of distilled water.
5. Remove un-reacted silver with sodium thiosulfate for 2 minutes.
6. Rinse in distilled water.



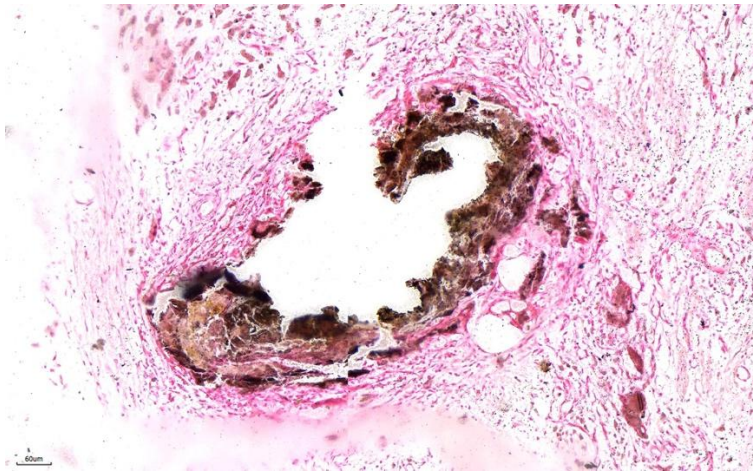
7. Counterstain with nuclear fast red for 5-10 minutes.
8. Rinse in distilled water.
9. Dehydrate through graded alcohol and clear in xylene.
10. Coverslip using permanent mounting medium.

**Results:**

Calcium salts ----- black or brown-black

Nuclei ----- red

Cytoplasm ----- pink



**Positive Controls:**

Bone (Incompletely decalcified specimen)

**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)