

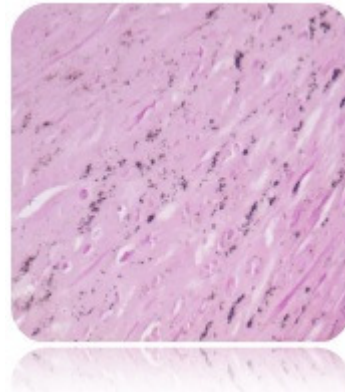
# Calcium Stain Kit (Modified Von Kossa)

**Description:** The Calcium Stain Kit (Modified Von Kossa) is intended for use in the histological visualization of calcium deposits in paraffin or frozen sections.

|                                |            |
|--------------------------------|------------|
| Calcium in mass deposits:      | Black      |
| Calcium in dispersed deposits: | Gray       |
| Nuclei:                        | Red        |
| Cytoplasm:                     | Light Pink |

**Uses/Limitations:** Not to be taken internally.  
For In-Vitro Diagnostic use only.  
Histological applications.  
Do not use if reagents become cloudy.  
Do not use past expiration date.  
Use caution when handling reagents.  
Non-Sterile.

**Control Tissue:** TCS0007-5 (5 Slides)  
TCS0007-25 (25 Slides)  
Any paraffin embedded tissue that contains calcium deposits.




**Ordering information regarding individual components on back page!**


**Kit Contents:**

| <u>Item #</u> | <u>Components</u>                | <u>Volume</u> | <u>Storage</u> |
|---------------|----------------------------------|---------------|----------------|
| SNV125        | Silver Nitrate Solution (5%)     | 125 ml        | 2-8 °C         |
| STB125        | Sodium Thiosulfate Solution (5%) | 125 ml        | 18-25 °C       |
| NFS125        | Nuclear Fast Red Solution        | 125 ml        | 18-25 °C       |


**Precautions:** Avoid contact with skin and eyes.  
Harmful if swallowed.  
Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C  25° C

**Mixed Storage Conditions.  
Separate Contents.**

 ScyTek Laboratories, Inc.  
205 South 600 West  
Logan, UT 84321  
U.S.A.



 EmergoEurope (31)(0) 70 345-8570  
Molsnstraat 15  
2513 BH Hague, The Netherlands

## Procedure (Standard):


1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Incubate slide in Silver Nitrate Solution (5%) for 30-60 minutes while exposing to either ultraviolet light or incandescent light at 75 watts or greater. For best results, keep light source within 2 feet (61cm) of slide during Silver Nitrate staining procedure.
3. Rinse in 3 changes of distilled water.
4. Incubate slide in Sodium Thiosulfate Solution (5%) for 2 minutes.
5. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
6. Stain tissue section with Nuclear Fast Red Solution for 5 minutes.
7. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
8. Dehydrate very quickly in 3 changes of Absolute Alcohol.
9. Clear, and mount in synthetic resin.

## References:


1. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2<sup>nd</sup> Edition. Battelle Press, Columbus, OH.
2. Clark, G., et al. Staining Procedures, 4<sup>th</sup> Edition, Williams & Wilkins Press, Baltimore, MD.
3. Symonds, D.A., Use of the Von Kossa stain in identifying occult calcifications in breast biopsies. American Journal of Clinical Pathology, 1990, July; 94(1) pages 44-48.

## Bulk Reagent Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)

| Description:                     | Catalog # | Volume  |
|----------------------------------|-----------|---------|
| Silver Nitrate Solution (5%)     | SNV125    | 125 ml  |
|                                  | SNV500    | 500 ml  |
| Sodium Thiosulfate Solution (5%) | STB125    | 125 ml  |
|                                  | STB500    | 500 ml  |
|                                  | STB999    | 1000 ml |
| Nuclear Fast Red Solution        | NFS125    | 125 ml  |
|                                  | NFS500    | 500 ml  |
|                                  | NFS999    | 1000 ml |


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