

Von Kossa Stain Kit

IN VITRO DIAGNOSTIC DATASHEET

This kit is used for the staining of tissues containing Calcium Deposits.

INTENDED USE : IN VITRO DIAGNOSTIC USE

DESCRIPTION :

This Stain kit is used to visualise calcium deposits in tissue sections. The sections are treated with a silver nitrate solution and silver is deposited by replacing the calcium which is reduced by strong light.

SPECIMEN COLLECTION :

The use of routine formaldehyde fixatives is recommended. Avoid use of glutaraldehyde fixatives.

REAGENTS :

	150 TEST
Silver Nitrate 5% Solution	1x 50ml
Sodium Thiosulphate 5% Solution	1x 50ml
Neutral Red 0.5% Aqueous	1x 50ml

** Number of TEST calculated according to 330 microliter per slide.*

CATALOG NO : PLKit38-150

MICROBIOLOGICAL STATE : This product is not sterile.

PROCEDURE TIME : Approximate 70 minute.

PROTOCOL :

1. Deparaffinise sections in xylene and hydrate through graded alcohols, rinse in water
2. Place in silver nitrate solution and expose to strong light for 1 hour (see below note).
Note : it can be bright sunlight or a 60 watt lamp.
The calcium turning black is an indication of a completed reaction.
3. Wash in 3 changes of distilled water.
4. Treat with sodium thiosulphate for 5 minutes.
5. Rinse well in distilled water.
6. Counterstain with neutral red for 5 minutes (see note 2).
Note : The time in counterstain can be adjusted accordingly if a paler stain is required.
7. Rinse in water.
8. Dehydrate through graded alcohols.
9. Clear in xylene and mount.

RESULTS :

Calcium Salts :	Black
Nuclei :	Red
Cytoplasm	Pink

STORAGE AND STABILITY : This product is stable for 36 months when stored in +15 /+25 C

TROUBLESHOOTING : Please contact Patolab Technical Support by e-mail (patolab@patolab.com.tr).