



Reticulin Kit for clinical diagnosis

Reticulin is a meshwork of fine fibers which provide support to the tissues. Reticulin Kit is used for visualizing the presence of reticulin by impregnation with a silver salt.

The tissue is first oxidized and sensitized with iron alum, which is replaced with a silver salt. The silver is then reduced with a formaldehyde solution, that reveals the metallic silver.

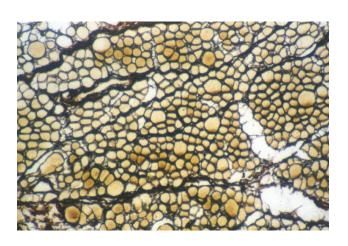
Finally, a solution of sodium thiosulfate dissolves the unreduced excess silver.

If the process has been carried out correctly, the background of the preparation will be almost colorless and the reticulin fibers and nerve fibers will be stained brownish-black and the collagen will be yellow.



Meets the requirements of the CE marking for in vitro diagnostic medical devices.

See instructions on www.itwreagents.com.



Main advantages

- All reagents required for staining are ready for use.
- Provided in convenient, easy-to-use dropper bottles.
- Optimal sample staining.
- Quantity sufficient for 50 tests.
- No need for extra equipment.

Contents of the Kit

Sufficient for 50 tests

Reagent A: KMnO ₄ solution	25 ml
Reagent B: Acid solution	25 ml
Reagent C: C ₂ H ₂ O ₄ solution	25 ml
Reagent D : NH ₄ Fe(SO ₄) ₂ solution	25 ml
Reagent E: AgNO ₃ /NH ₄ OH solution	25 ml
Reagent F: HCHO solution	25 ml
Reagent G: Na S O solution	25 ml



Stability and storage

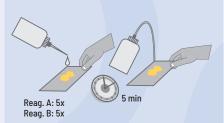
The Reticulin Kit is stable for 1 year. Store at between +2 and +8 °C.



Procedure



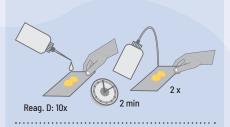
1. Hydrate the section to distilled water.



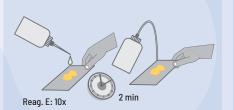
2. Put 5 drops of Reagent A on the section and add 5 drops of Reagent B: let it work for 5 minutes. Rinse the slide in distilled water.



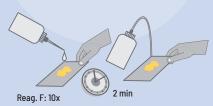
3. Put on the section 10 drops of Reagent C, let it work for 3 minutes and rinse in distilled water.



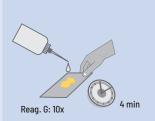
4. Put on the section 10 drops of Reagent D, let it work for 2 minutes. Rinse twice in distilled water.



5. Impregnate the section with 10 drops of Reagent E, let it work for 2 minutes and rinse in distilled water.



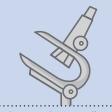
6. Develop putting on the section 10 drops of Reagent F, let it work for 2 minutes. Rinse in distilled water.



7. Put on the section 10 drops of Reagent G, let it work for 4 minutes.



8. Wash in running tap water for 5 minutes.



9. Dehydrate on the ascending scale of alcohol, clear in xylene and mount.

Results

Reticulin and nervous fibers: black

Connective tissue: brown

Collagen: yellow

Product name	Code	Package
Reticulin Kit for clinical diagnosis	255115.0922	1 Kit

IP-041EN

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