



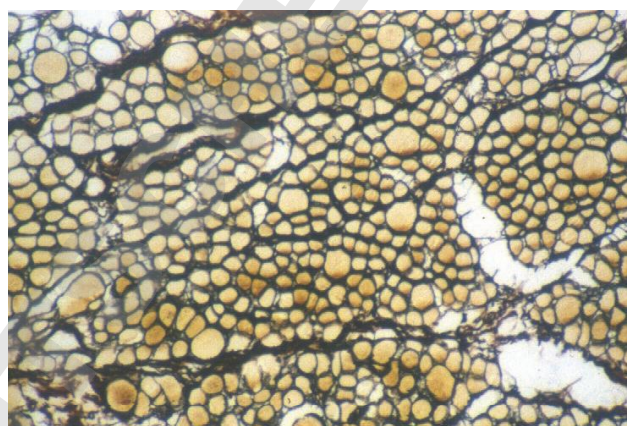
## Reticulin Kit for clinical diagnosis

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](http://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

<b>Reagent A:</b> $\text{KMnO}_4$ solution.....	25 ml
<b>Reagent B:</b> Acid solution .....	25 ml
<b>Reagent C:</b> $\text{C}_2\text{H}_2\text{O}_4$ solution .....	25 ml
<b>Reagent D:</b> $\text{NH}_4\text{Fe}(\text{SO}_4)_2$ solution.....	25 ml
<b>Reagent E:</b> $\text{AgNO}_3/\text{NH}_4\text{OH}$ solution .....	25 ml
<b>Reagent F:</b> $\text{HCHO}$ solution .....	25 ml
<b>Reagent G:</b> $\text{Na}_2\text{S}_2\text{O}_3$ solution .....	25 ml

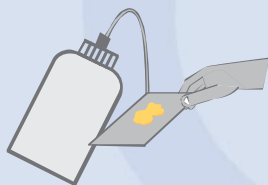
### Stability and storage

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





## Procedure



1. Hydrate the section to distilled water.



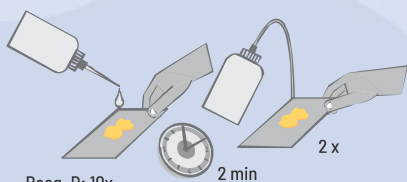
Reag. A: 5x  
Reag. B: 5x

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.



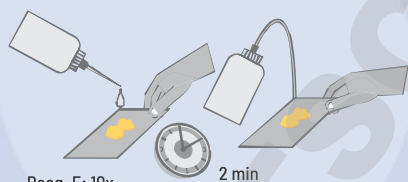
Reag. C: 10x

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



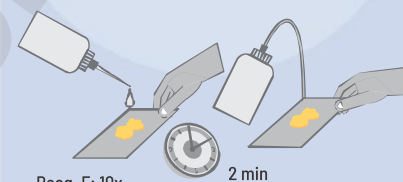
Reag. D: 10x

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



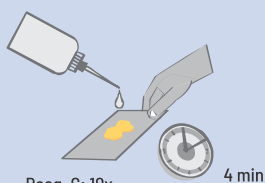
Reag. E: 10x

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



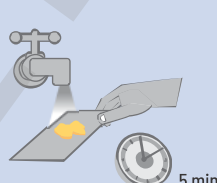
Reag. F: 10x

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



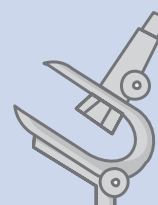
Reag. G: 10x

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



5 min

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

