Orcein for elastic fibers Kit

ORCE-KFB-100

Storage conditions

Store at 15 - 25 °C, protected from fire and sunlight. Stability of 2 years under recommended storage conditions.

Procedure duration

~30 min.

Content

A. Potassium permanganate solution (50 ml)
B. Acid activation buffer (50 ml)
C. Oxalic acid solution (50 ml)
D. Incubation media (50 ml)
E. Orcein solution according Shikata (50 ml)
F. Differentiation solution (50 ml)

Application

To demonstrate elastic fibres in tissue sections; recommended for vascular pathology.*

*All reagents have been optimally prepared for use and require no mixing or diluting.

Method

1. Deparaffinize and bring section to distilled water
2. Cover section with ex tempore prepared mixture of equal volumes of reagent A and reagent B for 4 minutes
3. Rinse in distilled water
4. Cover section with reagent C for 1 minute (until it turns colourless)
5. Rinse in distilled water
6. Cover section with reagent E and put it under bell-glass with at least 0.75ml per slide of reagent D in another vessel to assure appropriate conditions (ambient) for incubation. Incubate for 20 minutes
7. Wash well in distilled water
8. Cover section with reagent F for 2 minutes
9. Rinse in running tap water for 1 minute
10. Dehydrate through ascending alcohols, clear in xylene, mount in resin (optional) and examine

Visualization

Elastic Fibres: Purplish red brown

Background: Almost colourless