

**Methylene Blue – Basic Fuchsin
Semithin Epon / LR White sections**

Preparation of stain solutions

Methylene blue

150 mg methylene blue

10 mg glycerol

10 ml methanol

30 ml phosphate buffer (pH: 6,9)

50 ml distilled water

Dilute the solution 1/20 and filter before use

Basic Fuchsin

0,1 mg basic fuchsin

10 ml ethanol 50%

Dilute the solution 1/20

Both solutions can be stored at -20°C

Staining procedure:

- Dry the slide with sections on a hot plate at 60°C - 70°C
- Cover the sections with **Methylene** for 20'
- Rinse thoroughly with distilled water
- Dry the sections at room temperature for a few min
- Cover the sections with **Fuchsin Basic Fuchsin** for 10' (room t°)
- Rinse thoroughly with distilled water
- Dry the sections first at room t° then at 50° C a few hours or preferentially overnight
- Mount the sections with Eukitt or Histokitt

Result :

Cell walls and starch grains are stained red. The cytoplasm and cell constituents are stained blue.