

Kluver & Barrera luxol fast blue stain for myelin with Nissl counterstain

Fixation: Formalin

Sections: Frozen 70 μm

Preparation of solutions:
Bancroft and Steven p353

Method

1. Take sections on slides to 95% ethanol (*not* water)
2. Stain in luxol fast blue solution overnight at 37°C¹
3. Wash in 70% ethanol
4. Wash in tap water
5. Differentiate in 0.05% lithium carbonate in ddH₂O for 1 to 6 hours
6. Wash in tap water
7. Stain in cresyl violet and differentiate in 95% acid ethanol (6 drop of glacial acetic ac. per 250 ml of 95% ethanol)
8. Dehydrate, clear in xylene and coverslip.

¹ The solution is volatile so fill the well and protect from evaporation