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Nissl Counterstaining - Cresyl Violet

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We use this protocol and it's working

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Abstract

Nissl Counterstaining with Cresyl Violet for histological sections



Delipidation Step

- 1 Ethanol 95%, 5min
- 2 Chloroform 100%, 10min (under the hood)
- 3 Ethanol 95%, 15 sec (quick rinse)
- 4 Ethanol 95%, 2min
- 5 Ethanol 70%, 1min30sec
- 6 dH₂O, 2min

Cresyl Violet staining

- 7 Cresyl Violet solution, 1min
- 8 dH₂O, 15sec or less (quick rinse)
- 9 dH₂O, 2min

Differentiation

- 10 Ethanol 70%+Acid Acetic*, few seconds (control differentiation yourself). (*add 2-3 drops of acetic acid 100% in 100ml ethanol 70%).

Dehydration



- 11 Ethanol 95%, 5-10sec (quick rinse)
- 12 Ethanol 100%, 1min
- 13 Xylene, 1min or more (under the hood) until mounting
- 14 Mount coverslip with DPX (under the hood)