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Version 2

🌐 TS Spurr's - primary fixation Karnovsky's - tissue (TM - 013) V.2

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Protocol status: Working

We use this protocol and it's working

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Abstract

This method is used for conventional processing of tissue to Spurr's resin.

Guidelines

All time are minimum times, it is acceptable to go over time specified for any given step. Good place steps to leave overnight or at 70% ethanol and 50/50 Spurrs/Ethanol mix.

Protocol materials

 25% Glutaraldehyde

 16% Paraformaldehyde **ProSciTech Catalog #C004**

 Osmium Tetroxide **ProSciTech**

 Ethanol

 Spurrs resin mix **ProSciTech**



HEADER

1 SAN:

SPEC No:

OPERATOR & STEPS:

OPERATOR & STEPS:

CONVENTIONAL

5h 15m

- 2 [M] 2.5 % volume 25% Glutaraldehyde plus [M] 4 % volume 16% Paraformaldehyde **ProSciTech Catalog #C004** in [M] 0.1 Molarity (M) for at least 00:40:00 40m
- 3 Wash [M] 0.1 Molarity (M) Sorenson's Phosphate Buffer 07.2 (300mosmol/kg) for 00:15:00 15m
- 4 [M] 1 % volume Osmium Tetroxide **ProSciTech** in buffer for 01:00:00 1h
- 5 [M] 70 % volume Ethanol for at least 00:20:00 20m
- 6 [M] 95 % volume Ethanol for 00:20:00 20m
- 7 [M] 100 % volume Ethanol for 00:20:00 20m
- 8 [M] 100 % volume Ethanol dried molecular sieved for 00:20:00 20m



- 9 [M] 50 % volume Ethanol [M] 50 % volume Spurrs resin mix **ProSciTech** 30m
for 00:30:00
- 10 [M] 100 % volume Spurrs resin mix **ProSciTech** 00:30:00 30m
- 11 [M] 100 % volume Spurrs resin mix **ProSciTech** 01:00:00 1h
- 12 Oven polymerise overnight at 65 °C