



VERSION 1
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Protocol status: Working
We use this protocol and it's working

Created: May 09, 2023

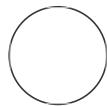
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81629

 TS Spurrs - tissue fixed in Karnovsky's (TM - 013) V.1

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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.

HEADER

1 SAN:

SPEC No:

OPERATOR & STEPS:

OPERATOR & STEPS:

CONVENTIONAL

5h 15m

- 2

[M] 2.5 % volume

⊗ 25% Glutaraldehyde Contributed by users

 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

pH 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 Contributed by users

 for at least

⌚ 00:20:00

20m
- 6

[M] 95 % volume

⊗ Ethanol Contributed by users

 for

⌚ 00:20:00

20m
- 7











[M] 100 % volume

⊗ Ethanol Contributed by users

 for

⌚ 00:20:00

20m

- 8 [IM] 100 % volume  Ethanol Contributed by users dried molecular sieved for  00:20:00 20m
- 9 [IM] 50 % volume  Ethanol Contributed by users [IM] 50 % volume  Spurrs resin mix ProSciTech for  00:30:00 30m
- 10 [IM] 100 % volume  Spurrs resin mix ProSciTech  00:30:00 30m
- 11 [IM] 100 % volume  Spurrs resin mix ProSciTech  01:00:00 1h
- 12 Oven polymerise overnight at  65 °C