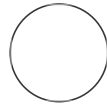




MAY 09, 2023

# TS Spurrs - primary fixation Karnovsky's - tissue (TM - 013)

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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.

## OPEN ACCESS

### DOI:

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**protocols.io**

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**Protocol status:** Working

We use this protocol and it's working

**Created:** May 09, 2023

**Last Modified:** May 09, 2023

**PROTOCOL integer ID:**  
81634

## 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 


 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
 

[M] 100 % volume

⊗ Ethanol Contributed by users

dried molecular sieved for

⌚ 00:20:00

20m
- 9
 

[M] 50 % volume

⊗ Ethanol Contributed by users

[M] 50 % volume

⊗ Spurrs resin mix ProSciTech

for ⌚ 00:30:00

30m
- 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