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TS Spurrs - FFPE block - 1mm3 cube cut out - tissue (TM - 013)

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

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Keywords: ts spurr, parraffin block, face to spurr, spurr, ffpe block, resin block, 1mm3 cube, ffpe, resin block for em, tissue, tm, piece, resin

Abstract

Processing unstained parraffin block that has had a 1mm3 piece disected out of the face to Spurr's resin block for EM.

Guidelines

All step times are the minimum time required. Longer steps are acceptable.

Protocol materials

- xylene
- Ethanol
- Ethanol
- Ethanol
- Glutaraldehyde aqueous solution 25% EM Grade ampoules **ProSciTech Catalog #**C002
- Osmium Tetroxide **ProSciTech**
- ethanol

HEADER

1 SAN:

SPEC No:

OPERATOR & STEPS:

OPERATOR & STEPS:

Dewax FFPE sections 15m

2 xylene or X3B Overnight at 60 °C 5m

3 xylene or X3B 00:05:00 at Room temperature 5m

4 xylene or X3B 00:05:00 at Room temperature 5m

Rehydrate 15m

5 [M] 100 % volume Ethanol 00:10:00 10m

6 [M] 95 % volume Ethanol 00:10:00 10m

7 [M] 70 % volume Ethanol 00:10:00 10m

Conventional - with reduced times for 5um thick FFPE section 2h 50m

8 [M] 2.5% % volume 20m

Glutaraldehyde aqueous solution 25% EM Grade ampoules **ProSciTech Catalog** #C002

in [M] 0.1 Mass Percent Sorenson's phosphate buffer pH 07.2 300 mosmol/kg 00:20:00 .

9 Wash buffer 00:05:00 5m

10 1h

[M] 1 Mass / % volume Osmium Tetroxide **ProSciTech** in buffer 01:00:00

11 [M] 70 % volume Ethanol 00:10:00 10m

12 [M] 95 % volume ethanol 00:10:00 10m

13 [M] 100 % volume ethanol 00:10:00 10m

14 [M] 100 % volume dry ethanol 00:10:00 10m

15 [M] 100 % volume Spurrs: [M] 100 % volume dry ethanol in 1:1 ratio 30m

00:30:00

16 [M] 100 % volume Spurrs 01:00:00 1h

17 [M] 100 % volume Spurrs 01:00:00 1h

18 Oven polymerise 65 °C Overnight