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TS Spurrs - cell pellet (TM - 013, sections 5.3 & 6.6) V.1

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

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Keywords: conventional processing of cell pellet, spurrs resin, cell pellet, ts spurr, conventional processing, tm, resin

Abstract

This method is used for conventional processing of cell pellets to Spurrs 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
- Osmium Tetroxide **ProSciTech**
- Ethanol
- Ethanol
- Ethanol
- Ethanol
- Ethanol
- Spurrs resin mix **ProSciTech**
- Spurrs resin mix **ProSciTech**
- Spurrs resin mix **ProSciTech**

Troubleshooting

HEADER

1 SAN:

SPEC No:

OPERATOR & STEPS:

OPERATOR & STEPS:

CONVENTIONAL

5h 15m

2 [M] 2.5 % volume | 25% Glutaraldehyde 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 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** 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