

May 09, 2023

Version 2

TS Spurrs - cell pellet (TM - 013) V.2

DOI

<https://dx.doi.org/10.17504/protocols.io.81wgb6jpolpk/v2>

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Protocol Citation: sandra.crameri 2023. TS Spurrs - cell pellet (TM - 013). protocols.io
<https://dx.doi.org/10.17504/protocols.io.81wgb6jpolpk/v2> Version created by [sandra.crameri](#)

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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: 81627

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

Abstract

This method is used for conventional processing of cell pellets 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

 Osmium Tetroxide **ProSciTech**

 Ethanol

 Spurr's resin mix **ProSciTech**



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 | 15m |
| | | | | 🕒 00:15:00 | |
| 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 | ⊗ Spurr's 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