



MAY 09, 2023

## TS Spurrs - Cell Monolayer on Thermanox coverslips (TM - 013)

sandra.crameri<sup>1</sup><sup>1</sup>CSIRO ACDP

sandra.crameri

### ABSTRACT

Processing a cell monolayer on Thermanox coverslips to Spurrs resin block for EM.

### GUIDELINES

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

### OPEN ACCESS

#### DOI:

[dx.doi.org/10.17504/protocols.io.n92ldpk17l5b/v1](https://dx.doi.org/10.17504/protocols.io.n92ldpk17l5b/v1)

**Protocol Citation:** sandra.crameri 2023. TS Spurrs - Cell Monolayer on Thermanox coverslips (TM - 013).

**protocols.io**

<https://dx.doi.org/10.17504/protocols.io.n92ldpk17l5b/v1>

**License:** This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

**Protocol status:** Working

We use this protocol and it's working

**Created:** May 09, 2023

**Last Modified:** May 09, 2023

**PROTOCOL integer ID:**  
81635

## HEADER

1 SAN:

SPEC No:

OPERATOR & STEPS:

OPERATOR & STEPS:

## Conventional - with reduced times for monlayer thickness

2h 50m

2

[M] 2.5% % volume

20m

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

in

[M] 0.1 Molarity (M) Sorenson's phosphate buffer pH 07.2 300 mosmol/kg 00:20:00

3

Wash buffer 00:05:00

5m

4

[M] 1 Mass / % volume

⊗ Osmium Tetroxide ProSciTech

in buffer 00:30:00

30m

5

[M] 70 % volume

⊗ Ethanol Contributed by users

00:10:00

10m




6

[M] 95 % volume

⊗ ethanol Contributed by users

00:05:00

5m

- 7 [M] 100 % volume  ethanol Contributed by users ⌚ 00:05:00 5m
- 8 [M] 100 % volume dry  ethanol Contributed by users ⌚ 00:05:00 5m
- 9 [M] 100 % volume Spurrs: [M] 100 % volume dry  ethanol Contributed by users in 1:1 ratio ⌚ 00:30:00 30m
- 10 [M] 100 % volume Spurrs ⌚ 00:30:00 30m
- 11 [M] 100 % volume Spurrs ⌚ 00:30:00 30m
- 12 Oven polymerise 🔥 65 °C ⌚ Overnight