



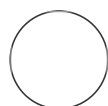
VERSION 2

MAY 08, 2023

TS Procure 812 - primary fixation formalin/wet tissue (TM - 013) V.2

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ABSTRACT

The method is used to process formalin fixed histological tissues to Procure 812 resin blocks.

GUIDELINES

Sample is not optimal for EM, best to dissect and use only the outer 2mm of tissue mass. Sample is usually derived from histology.

OPEN  ACCESS

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<https://dx.doi.org/10.17504/protocols.io.bp2l61qbdvqe/v2> Version created by [sandra.crameri](#)

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

Created: May 08, 2023

Last Modified: May 08, 2023

PROTOCOL integer ID:
81613

Keywords: Procure 812,
formalin, epon

HEADER


1 SAN:

SPEC No:

OPERATOR & STEPS:

OPERATOR & STEPS:


Primary fixation


2 Formalin for undefined extended period of time at  Room temperature

Conventional


5h 15m

- 3

 2.5 % volume


 25% Glutaraldehyde Contributed by
users

in


 0.1 Molarity (M)

40m


Sorenson's Phosphate buffer (pH 7.2, 300mosmol/kg) for at least

 00:40:00

 or overnight
- 4

 0.1 Molarity (M)

buffer

 00:15:00

15m

- 5 [IM] 1 % volume  Osmium Tetroxide ProSciTech in buffer  01:00:00 1h

- 6 [IM] 70 % volume  Ethanol Contributed by users for at least  00:20:00 or overnight 20m

- 7 [IM] 95 % volume  Ethanol Contributed by users  00:20:00 20m

- 8 [IM] 100 % volume  Ethanol Contributed by users  00:20:00 20m

- 9 [IM] 100 % volume  Ethanol Contributed by users dried with molecular sieve 20m
 00:20:00

- 10 [IM] 50 % volume  Ethanol Contributed by users [IM] 50 % volume 20m
 Propylene oxide ProSciTech Catalog #C156  00:20:00

- 11 [IM] 100 % volume  Propylene oxide ProSciTech Catalog #C156  00:20:00 20m

- 12 [IM] 50 % volume  Propylene oxide ProSciTech Catalog #C156 [IM] 50 % volume Procure 812

- 13 [M] 100 % volume Procure 812 ⌚ 00:20:00 20m
- 14 [M] 100 % volume Procure 812 ⌚ 01:00:00 1h
- 15 Embed & polymerise overnight in oven at 🌡 60 °C