



MAY 09, 2023

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DOI:
dx.doi.org/10.17504/protocols.io.81wgby3onvpk/v1

Protocol Citation: sandra.crameri 2023. TS Procure 812 - H&E stained section under glass coverslip on glass slide (TM - 013). **protocols.io** <https://dx.doi.org/10.17504/protocols.io.81wgby3onvpk/v1>

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

Created: May 09, 2023

Last Modified: May 09, 2023

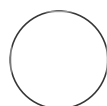
PROTOCOL integer ID:
81633

Keywords: Procure 812, formalin, epon

TS Procure 812 - H&E stained section under glass coverslip on glass slide (TM - 013)

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ABSTRACT

The method is used to process H&E stained slides through 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.

HEADER

1 SAN:

SPEC No:




OPERATOR & STEPS:

OPERATOR & STEPS:




Prepare slide



2 Using diamond pen etch a circle on the back of the slide to indicate where the BEEM capsule should be placed during embedding.










Remove Coverslip

3 Remove coverslip by soaking in  xylene **Contributed by users** minimum  Overnight , check to see if coverslip has slide off, if not soak another  Overnight .

Rehydration


4  100 % volume  Ethanol **Contributed by users**  00:05:00 5m

- 5 [M] 95 % volume  Ethanol Contributed by users  00:05:00 5m
- 6 [M] 70 % volume  Ethanol Contributed by users  00:05:00 5m
- Conventional** 5h 15m
- 7 [M] 2.5 % volume  25% Glutaraldehyde Contributed by users in [M] 0.1 Molarity (M) Sorenson's Phosphate buffer (pH 7.2, 300mosmol/kg) for at least  00:05:00 5m
- 8 [M] 0.1 Molarity (M) buffer  00:05:00 5m
- 9 [M] 1 % volume  Osmium Tetroxide ProSciTech in buffer  00:30:00 30m
- 10 [M] 70 % volume  Ethanol Contributed by users for at least  00:05:00 or overnight 5m
- 11 [M] 95 % volume  Ethanol Contributed by users  00:05:00 5m
- 12 [M] 100 % volume  Ethanol Contributed by users  00:05:00 5m

- 13 [IM] 100 % volume  Ethanol Contributed by users dried with molecular sieve 5m
⌚ 00:05:00
- 14 [IM] 50 % volume  Ethanol Contributed by users [IM] 50 % volume 10m
 Propylene oxide ProSciTech Catalog #C156 ⌚ 00:10:00
- 15 [IM] 100 % volume  Propylene oxide ProSciTech Catalog #C156 ⌚ 00:10:00 10m
- 16 [IM] 50 % volume  Propylene oxide ProSciTech Catalog #C156 [IM] 50 % volume 20m
 Procure 812 mix ProSciTech ⌚ 00:20:00
- 17 [IM] 100 % volume  Procure 812 mix ProSciTech ⌚ 00:20:00 20m
- 18 [IM] 100 % volume  Procure 812 mix ProSciTech ⌚ 01:00:00 1h
- 19 Embed & polymerise overnight in oven at  60 °C

To remove the block from the glass slide 9m

- 20 Place slide into boiling water on hot plate setting 3 for ⌚ 00:09:00 .Remove from water, gloves on, use tissues to hold slide down, angle single edged razor blade at 45o underneath tap 9m



washer to make a start to removal , then manually break BEEM capsule off slide.