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Staining/Dehydration 10 micron Rat Heart

In 1 collection

Shaina Robbins¹, Sean Nieves¹¹Thomas Jefferson University

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Works for me

dx.doi.org/10.17504/protocols.io.webfbn

SPARC

MATERIALS

NAME ▾	CATALOG # ▾	VENDOR ▾
EMD Millipore™ Ultrapure Water for Molecular Biology	09-739-011	Emd Millipore
Cresyl Violet acetate pure high purity biological stain	AC229630050	
1X Phosphate Buffered Saline Solution	BP2438-4	
Xylenes histological grade	534056-4L	Sigma – Aldrich
Acetone for HPLC	650501-4L	Sigma – Aldrich
Ethanol 200 Proof	2716	Decon Labs
Acetic Acid Glacial	A38-212	

STEPS MATERIALS

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Slide retrieval

- 1 Remove slide from -80 °C freezer. Keep slide covered and allow to come to room temperature for 00:01:00 or until frost on slide dissipates.

Fixation

- 2 Submerge slide into cold acetone (kept in -20°C freezer) for 00:00:15

OCT removal

- 3 Gently dip slide 10 times into 1x PBS or until OCT appears to be washed off



1X Phosphate Buffered Saline Solution
Catalog #: BP2438-4

Staining

- 4 Submerge slide into 0.1% Cresyl Violet for 00:05:00

Rinse

- 5 Gently rinse slide by dipping into H2O 10 times



EMD Millipore™ Ultrapure Water for
Molecular Biology
by Emd Millipore
Catalog #: 09-739-011

- 6 Gently dip slide 10 times into 1x PBS



1X Phosphate Buffered Saline Solution
Catalog #: BP2438-4

Dehydration

- 7 Dip and agitate slide 2 times into 95% EtOH
- 8 Dip and agitate slide 2 times into 100% EtOH



Ethanol 200 Proof

by Decon Labs

Catalog #: 2716

- 9 Submerge slide into 100% EtOH for ⌚ 00:00:15



Ethanol 200 Proof

by Decon Labs

Catalog #: 2716

Slide retrieval

- 10 Gently dip slide 2 times into Xylene



Xylenes histological grade

by Sigma – Aldrich

Catalog #: 534056-4L



Flammable liquids (Category 3), H226
Acute toxicity, Inhalation (Category 4), H332
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Carcinogenicity (Category 2), H351

11 Submerge slide into Xylene for ⌚ 00:00:20



Xylenes histological grade

by Sigma – Aldrich

Catalog #: 534056-4L



Flammable liquids (Category 3), H226
Acute toxicity, Inhalation (Category 4), H332
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Carcinogenicity (Category 2), H351

12 Allow slide to dry under chemical fume hood for ⌚ 00:05:00

Proceed to LCM/LMD



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