


H&E staining on  
paraffin sections

Oct 03, 2022

# H&E staining on paraffin sections

Mel Feany<sup>1</sup><sup>1</sup>Harvard Medical School, Brigham and Women's Hospital

1 Works for me

 Share[dx.doi.org/10.17504/protocols.io.4r3l24on4g1y/v1](https://dx.doi.org/10.17504/protocols.io.4r3l24on4g1y/v1)

Daniel's workspace

 Daniel El Kodsi

## ABSTRACT

This protocol describes H&E staining on fly heads paraffin sections for neuronal counting experiments.

## ATTACHMENTS

[H\\_&E\\_STAINING\\_ON\\_PA  
RAFFIN\\_SECTIONS.pdf](#)

## DOI

[dx.doi.org/10.17504/protocols.io.4r3l24on4g1y/v1](https://dx.doi.org/10.17504/protocols.io.4r3l24on4g1y/v1)

## PROTOCOL CITATION

Mel Feany 2022. H&E staining on paraffin sections. **protocols.io**  
<https://dx.doi.org/10.17504/protocols.io.4r3l24on4g1y/v1>



## KEYWORDS

paraffin, neuronal counting, h&amp;e staining, ASAPCRN

## LICENSE

————— This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

## CREATED

Oct 29, 2020

## LAST MODIFIED

Oct 03, 2022

#### OWNERSHIP HISTORY

Oct 29, 2020  dominikchimienti

Nov 05, 2020  Yuliya Kuras

Oct 03, 2022  Daniel El Kodsí








#### PROTOCOL INTEGER ID





44019

#### SAFETY WARNINGS

For hazard information and safety warnings, please refer to the SDS (Safety Data Sheet).

For neuronal counting experiments 15m

- 1 Fix fly heads  **Overnight** in  **4 % formalin** .
- 2 Embed in paraffin.
- 3 Cut 4 micron sections.
- 4 Dry at  **42 °C**  **Overnight** .
- 5 Deparaffinize and bring through ethanols to water (xylene x 2,  **100 % ethanol** x 4, tap H<sub>2</sub>O x 2).
- 6 Stain with Harris' hematoxylin for  **00:10:00** . 10m
- 7  Rinse 3x tap H<sub>2</sub>O.

- 8 Differentiate in acid alcohol ( **1 % hydrochloric acid** in **70 % alcohol** ) – one quick dip.
- 9   
Rinse 3x tap H<sub>2</sub>O.
- 10 Blue in tap H<sub>2</sub>O for  **00:05:00** or to desired color. 5m
- 11   
Rinse 3x tap H<sub>2</sub>O.
- 12 Stain with eosin ( **10 %** in **100 % ethanol** ) – one quick dip or to desired color.
- 13   
Rinse 2x **100 % ethanol** .
- 14 Dehydrate through ethanol series and xylenes.
- 15 Mount with Permount.