Aug 08, 2019

UC Davis - Hematoxylin and Eosin (H&E) V.2

Jennifer Rutkowsky[1]

[1]University of California, Davis

1 Works for me dx.doi.org/10.17504/protocols.io.56sg9ee

Mouse Metabolic Phenotyping Centers
Tech. support email: info@mmpc.org

Lili Liang

ABSTRACT

Summary:

Staining tissues on a slide with Heatoxylin and Eosin.

Modified from: H &E protocol, UC Davis Clinical Pathology lab

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=255&docType=Protocol

MATERIALS

NAME	CATALOG #	VENDOR
xylene		
ethanol		
Hematoxylin		
Clarifier		
Bluing Reagent		
Eosin		
coverslip	2935-245	Corning

SAFETY WARNINGS

WARNING:

Formalin is, toxic, flammable and considered a carcinogen

Xylene, ethanol and methanol are all flammable and should be used in fume hood away from open flames or sparks

All blood components and biological materials should be handled as potentially hazardous. Follow universal precautions established by CDC when handling and disposing of infectious agents.

1 Heat slide to 37°C for 20 min

2 Move through the following solutions sequentially for the noted amount of time

Reagent/concentration	Time
Xylene 100%	3 min
Xylene 100%	3 min
Xylene 100%	3 min
Ethanol 100%	1 min
Ethanol 100%	1 min
Ethanol 100%	1 min
Ethanol 95%	1 min
Running Water	2 min
Hematoxylin	3 min 45 sec
Running Water	15 sec
Clarifier	1 min
Running Water	1 min
Bluing Reagent	1 min
Running Water	1 min
Ethanol 95%	30 sec
Eosin	1 min
Ethanol 100%	1 min
Ethanol 100%	1 min 30 sec
Ethanol 100%	1 min 30 sec
Xylene 100%	2 min
Xylene 100%	2 min
Xylene 100%	2 min

3 Mount tissue with a coverslip