

May 14, 2015
Thursday

H&E Staining C57BL6 Mouse Lungs

Purpose: H&E stain slides of 7µm frozen sections of C57BL6 E16.5 mouse lung

1. For Frozen tissue, rinse 2X in PBS, then 5 min in 4% PFA/PBS, then rinse 1X in PBS.
2. Rinse slides 2X in dH₂O for 20 dips each rinse.
3. Slides were then stained in filtered Hemotoxylin for 45 seconds. (Gold Standard Harris Hemotoxylin, Acidified, Mercury; Cat # 24245 Polysciences Inc.).
4. Rinsed slides in tap water until water turned cleared then rinsed in dH₂O.
5. Rinsed slides in Lithium Carbonate: 20 dips. (Lithium Carbonate ACS Grade; Cat # 255823-500G Sigma Aldrich). Lithium carbonate is prepared by over-saturating in dH₂O.
6. Rinsed slides in dH₂O 3X 20 dips.
7. Rinsed slides in 70% ETOH for 20 dips.
8. Rinsed slides in 80% ETOH for 20 dips.
9. Stained slides in Eosin for 15 seconds. (Eosin Y 0.5% Alcohol Solution, Cat # 09859 Polysciences Inc.).
10. Rinsed slides in a series of 95% ETOH washes. 10 dips for the first and second washes, 15 dips in the third and fourth washes.
11. Rinsed slides 3X in 100% ETOH. 10 dips for the first and second washes and 15 dips in the third and fourth washes.
12. Rinsed slides in 2X in Xylene, followed by 6 more washes in xylene.
13. Coverslip with Permount. (Permount Toulene Solution UN 1294, Cat # SP-15-500 Fisher Scientific).

Tissue Used: LMM.14.24.4.42
E16.5
Crown-to-rump: 16.0mm
Weight: 0.592g
Gender: Male