Hematoxylin & Eosin _ (H&E)stain Protocol

1. 목적

본 염색은 조직이나 세포내 핵과 세포질을 명확하게 구분하여 관찰하기 위한 가장 기본적인 염색이다.

2. 실험방법

2.1. Tissue cutting - 4㎛_(Brain(5㎛) Semi autostainer용 MUTO Slide 사용.)

2.2. Dry over - 30min - 60℃

2.3. Deparaffin

- 2.3.1. Xylene - 3 times - 2min
- 2.3.2. 100% ETOH - 2 times - 2min
- 2.3.3. 95% ETOH - 2min
- 2.3.4. 80% ETOH - 2min
- 2.3.5. 70% ETOH - 2min

2.4. Rinse - Tap water - 5min

2.5. Nuclei - Clear view hematoxylin - 7min

2.6. Rinse - Tap water - 5min

2.7. Differentiate - 0.5% HCL Alcohol - 5sec

2.8. Rinse - Tap water - 5min

2.9. Bluing - 0.5% Ammonia water - 5sec

2.10. Rinse - Tap water - 5min

2.11. Cytoplasm - Alcoholic Eosin Y - 3min

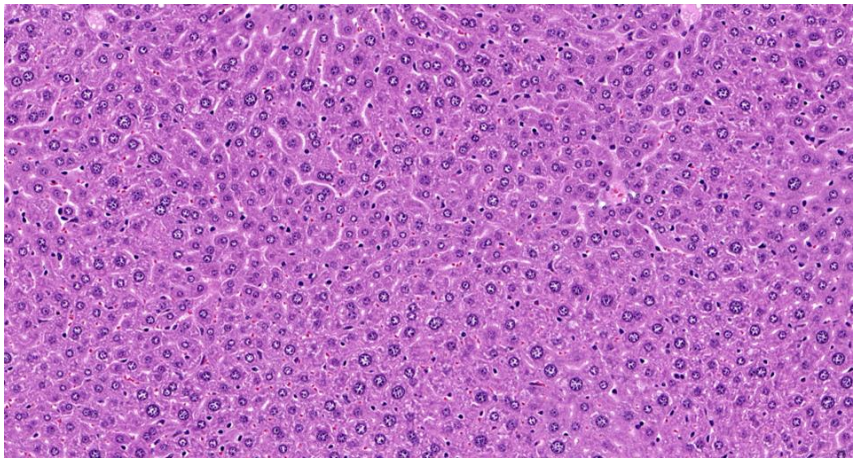
2.12. Dehydrate **(Without rinse)**

- 2.12.1. 95% ETOH - 2 times - 2min
- 2.12.2. 100% ETOH - 2 times - 2min
- 2.12.3. Xylene - 3 times - 2min

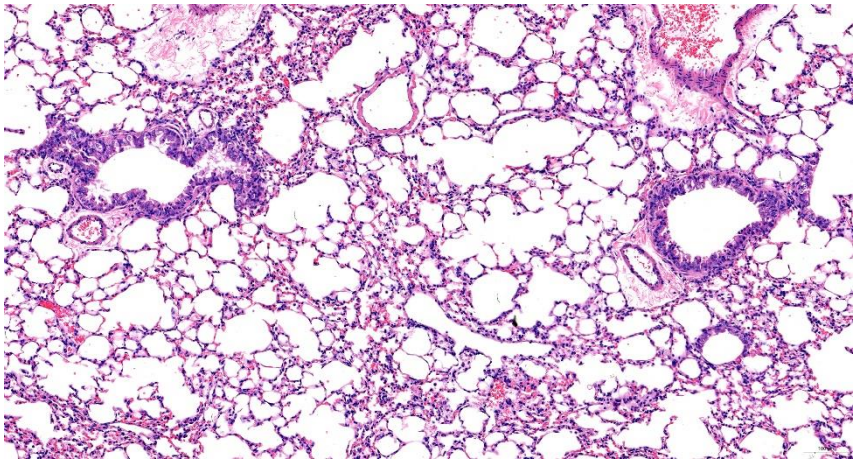
2.13. Mounting (Automatic Machine)

※ Nuclei: Blue

※ Cytoplasm: Pink to red



LIVER



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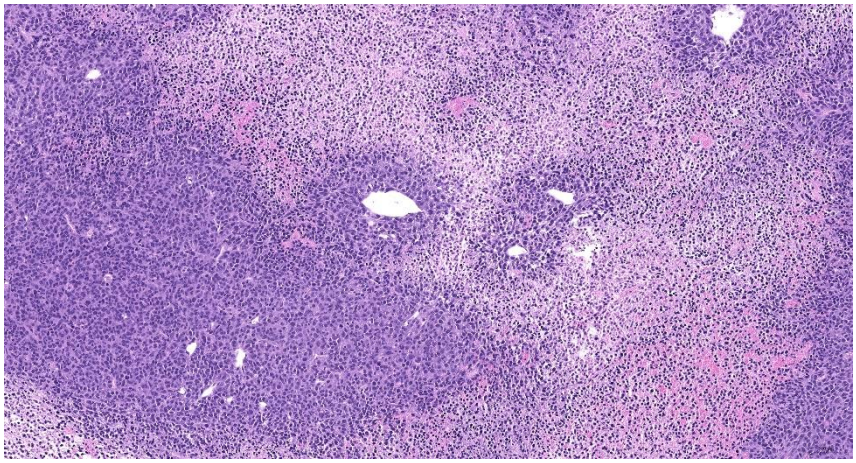

TUMOR