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H&E Staining for Pancreas Cryosections

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1 Works for me

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ABSTRACT

This protocol for H&E staining can be applied to either fixed or unfixed frozen cryosections.

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PROTOCOL CITATION

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KEYWORDS

HuBMAP, BIOMIC, Vanderbilt, Pancreas, H&E staining

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MATERIALS TEXT

1. Coplin jars
2. 95% Ethanol
3. Hematoxylin
4. Bluing Solution
5. Eosin
6. 100% Ethanol
7. Xylene
8. Coverslips
9. Cytoseal

SAFETY WARNINGS

1. Safety glasses or goggles, proper gloves, and a lab coat required. The area should be adequately vented and a

lab mat placed underneath all solutions.

2. Xylenes should be used in the fume hood.

- 1 Air dry sections for 🕒00:05:00 . 5m
- 2 Incubate in **95% alcohol** for 🕒00:01:00 , then wash, dipping until clear. 1m
- 3 Incubate in **hematoxylin** for 🕒00:00:30 , then wash until clear. 30s
- 4 Dip 3-4x in **bluing solution**, then wash for 🕒00:00:30 30s
- 5 Dip 3-4x in **95% alcohol**.
- 6 Dip 1-2x in **eosin**.
- 7 Dip 5-10x in **95% alcohol**, then repeat using 2nd aliquot.
- 8 Dip 5-10x in **100% alcohol**, then repeat using 2nd aliquot.
- 9 Dip 5-10x in **xylene**, then repeat using 2nd aliquot.
- 10 Apply coverslip and seal.

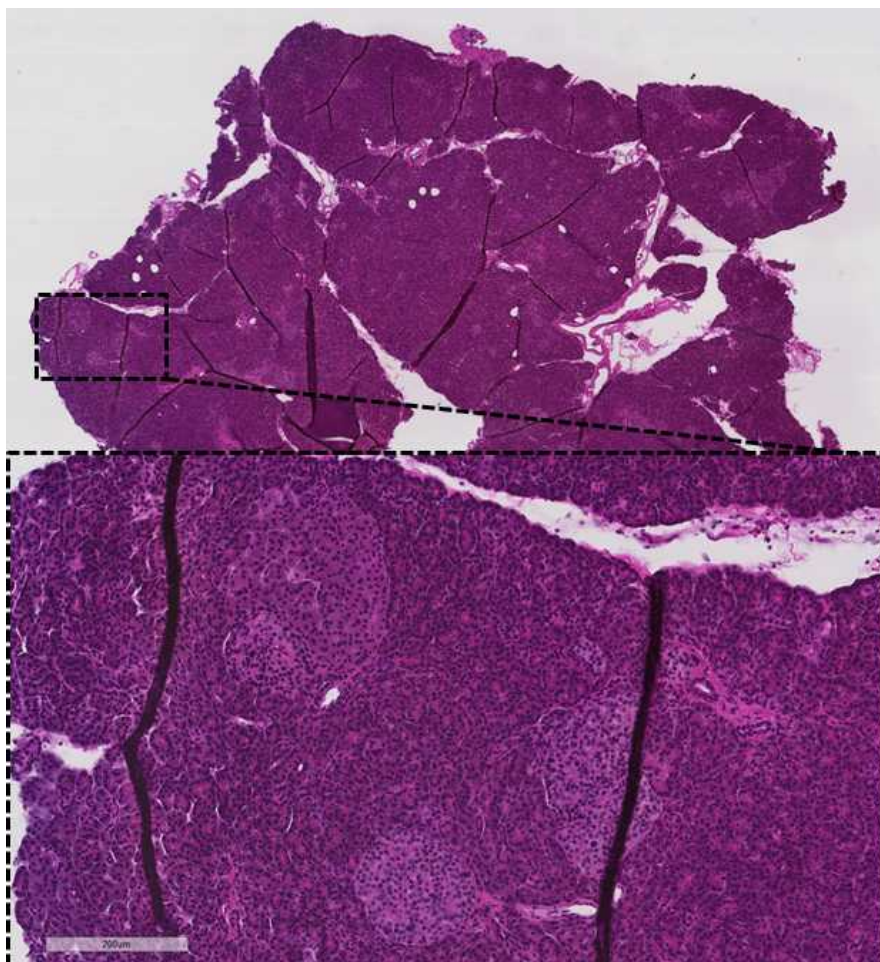


Figure 1. H&E stained pancreas with magnified section showing nuclei in blue and cytoplasm in pink.