

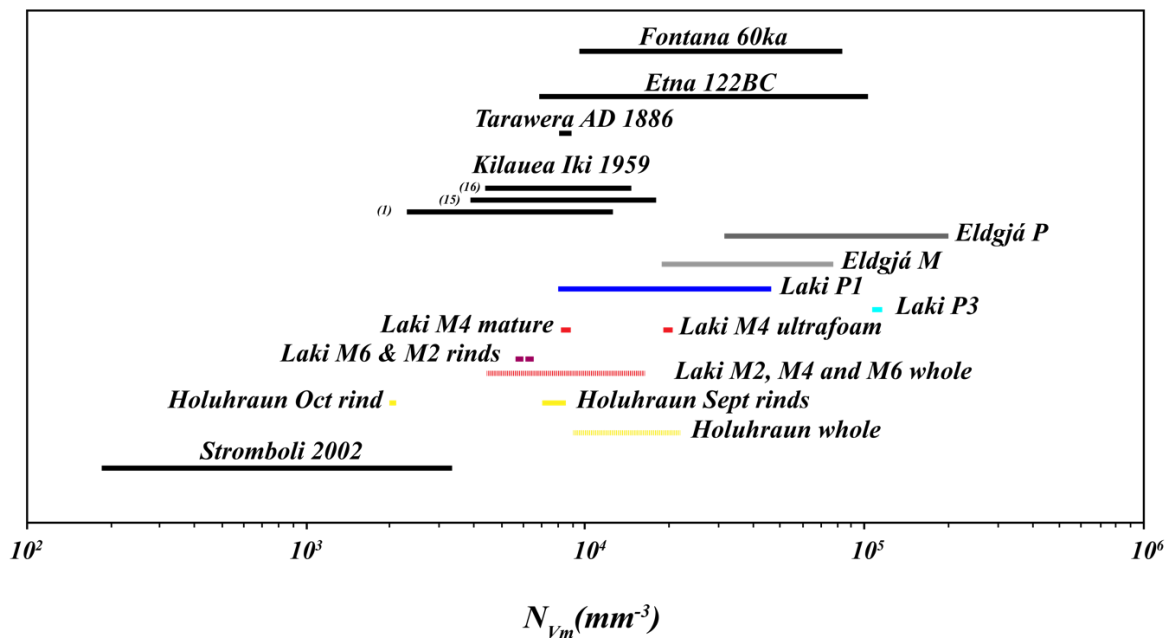
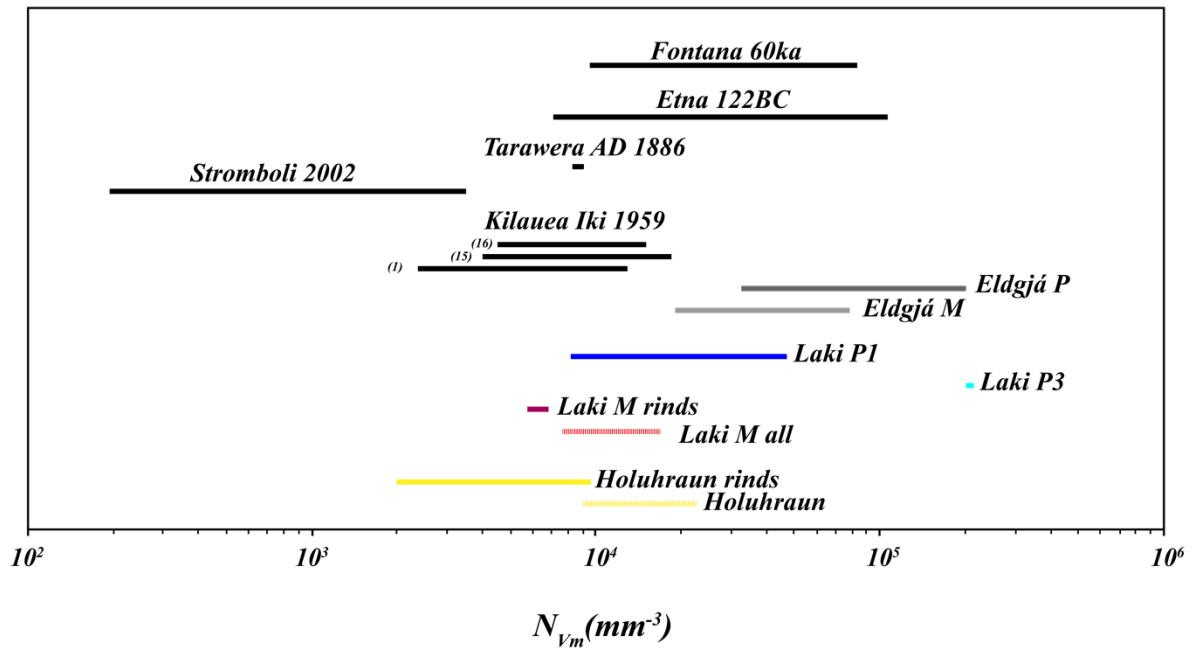
Supplementary material

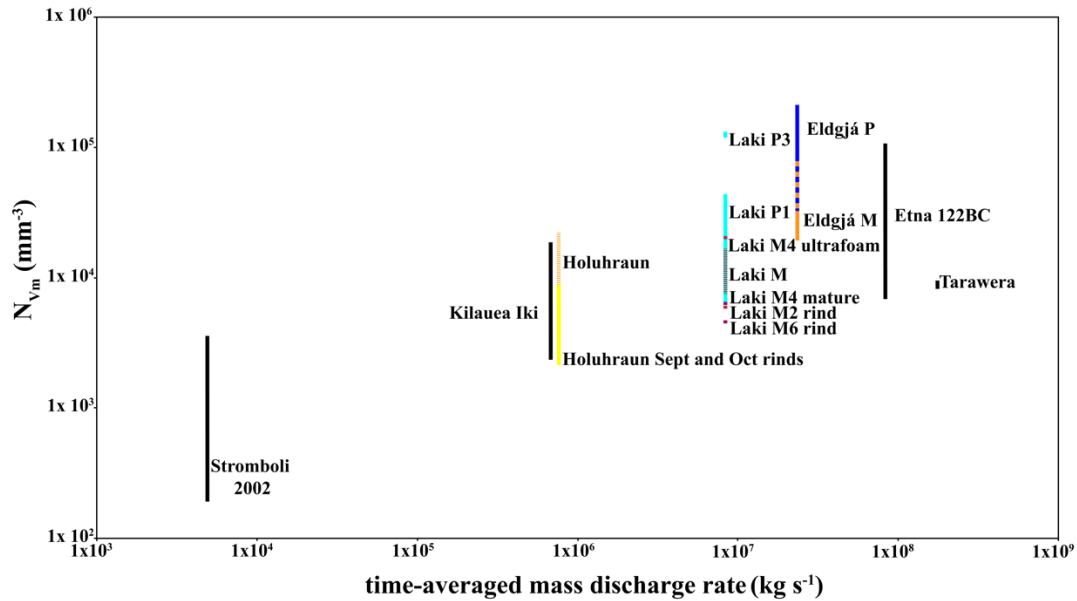
Appendix A: Bubble spreadsheets (available on request due to file sizes)

Appendix B: Geochemical data (see attached spreadsheets)

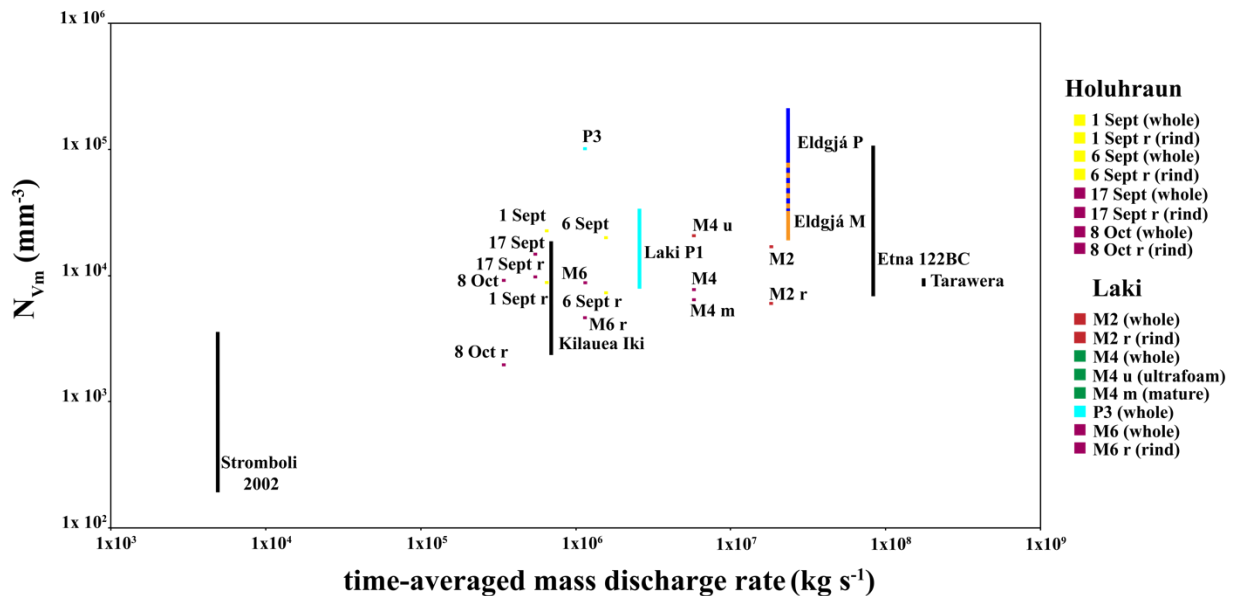
Appendix C: Bubble supplementary material

Appendix C: MER and vesicularity





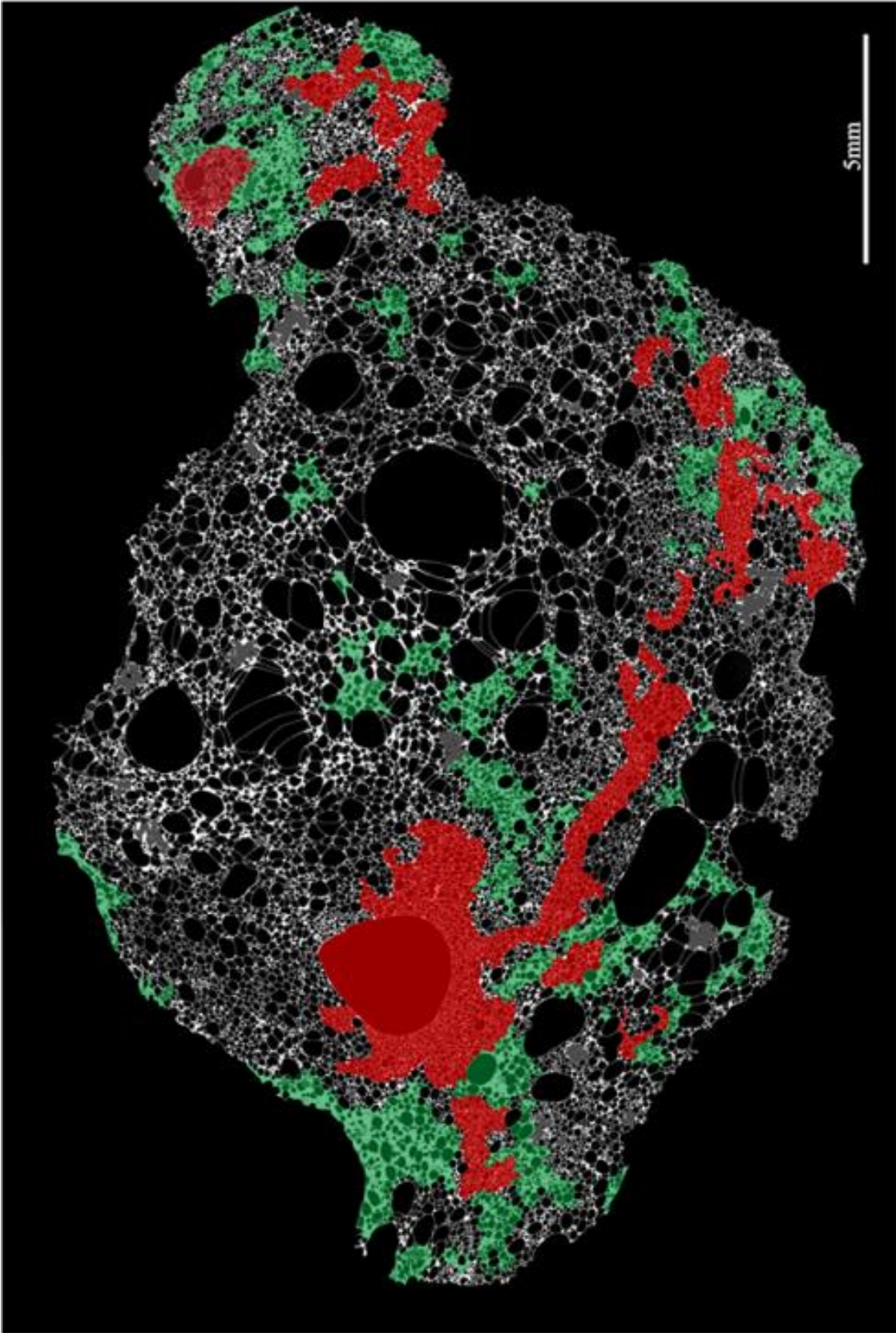
Appendix C3: MER and N_{V^m} comparison plot for the Holuhraun and Laki data sets.



Appendix C4: MER and N_{V^m} comparison plot for basaltic eruptions across a scale of intensities from weakly explosive to Plinian intensities. The Holuhraun and Laki sample data sets from this study recalculated for point source areas and changes in MER, these are calculated for Laki by Thordarson et al., 1996. For the Holuhraun data sets a distinction between the individual rinds and whole clasts is made. For Laki, Magmatic clasts and phreatomagmatic clasts are isolated, alongside distinctions made between magmatic rinds and the Laki whole clasts, as well as isolating interior textures in one Laki clast.

Appendix C5: Transitional texture

M4 (3F. 1): additional texture identification? Transitional (isolated in purple, 3F. 2), a mixture of ultra-vesicular foam and mature texture (3F. 1).



C5. 1: M4 clast with isolated and analysed textures highlighted. Red: ultra-vesicular foam. Green: Very mature texture



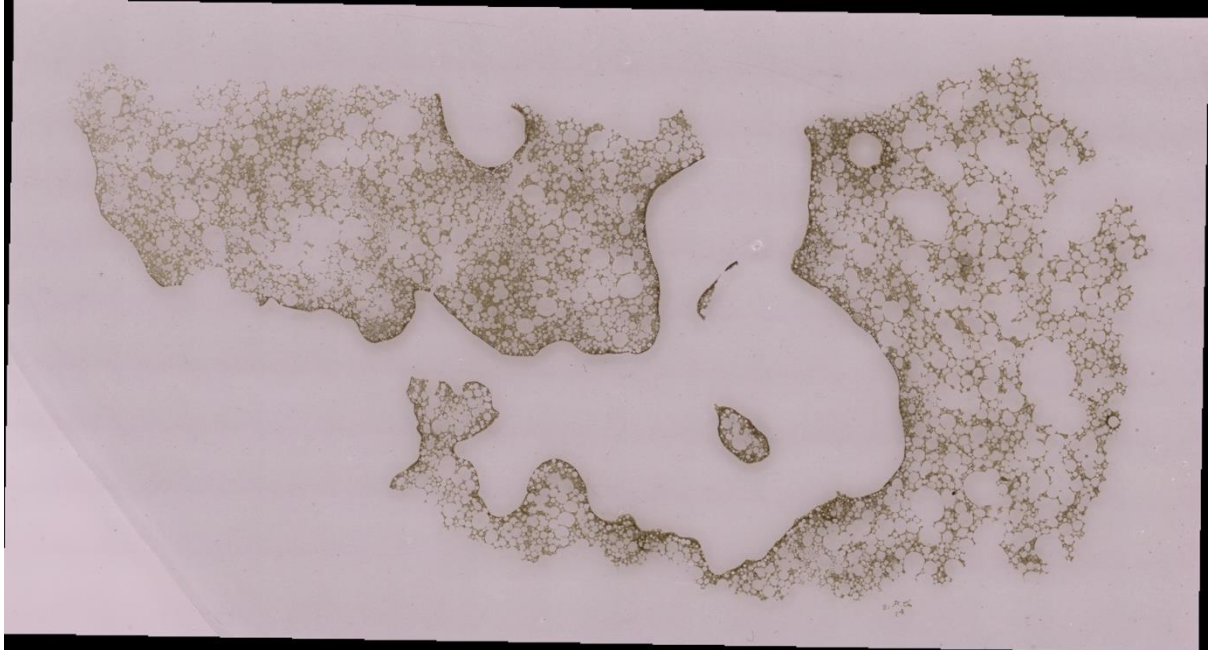
C5. 2: Isolated additional texture, not analysed separately. Possible mixture of ultra-vesicular foam and mature textures.

Appendix C6: Additional thin section images (qualitative textural data).

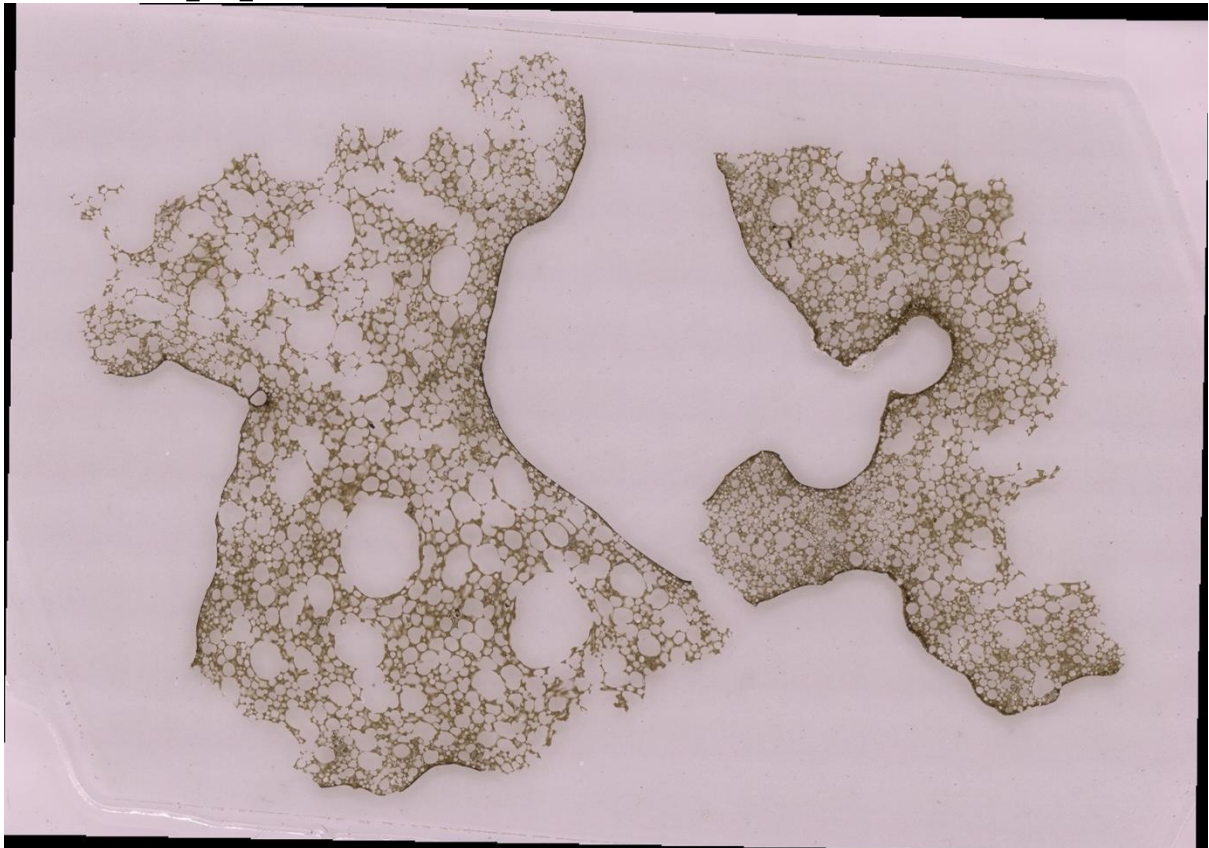
Appendix C6. 1: Thin sections of Holuhraun clasts imaged in PPL at 100x magnification.

1 September 2014: ÁH01092014:

ÁH01092014-01_99_2

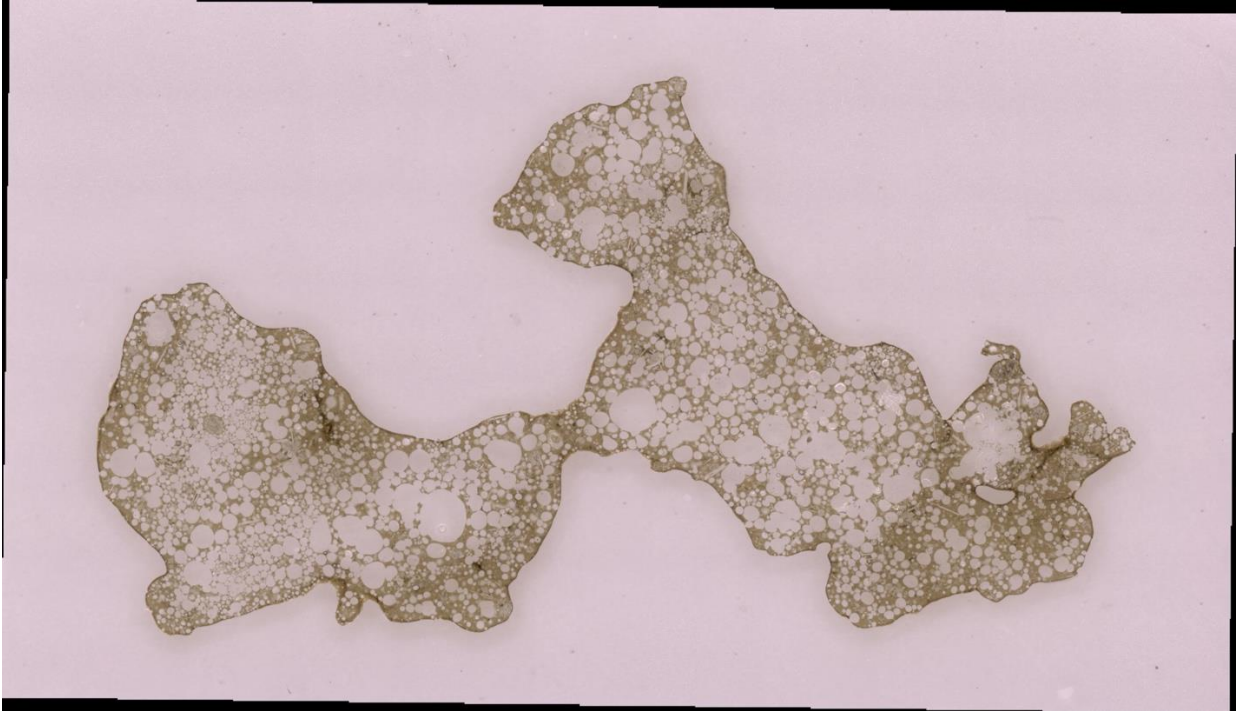


ÁH01092014-01_100_3

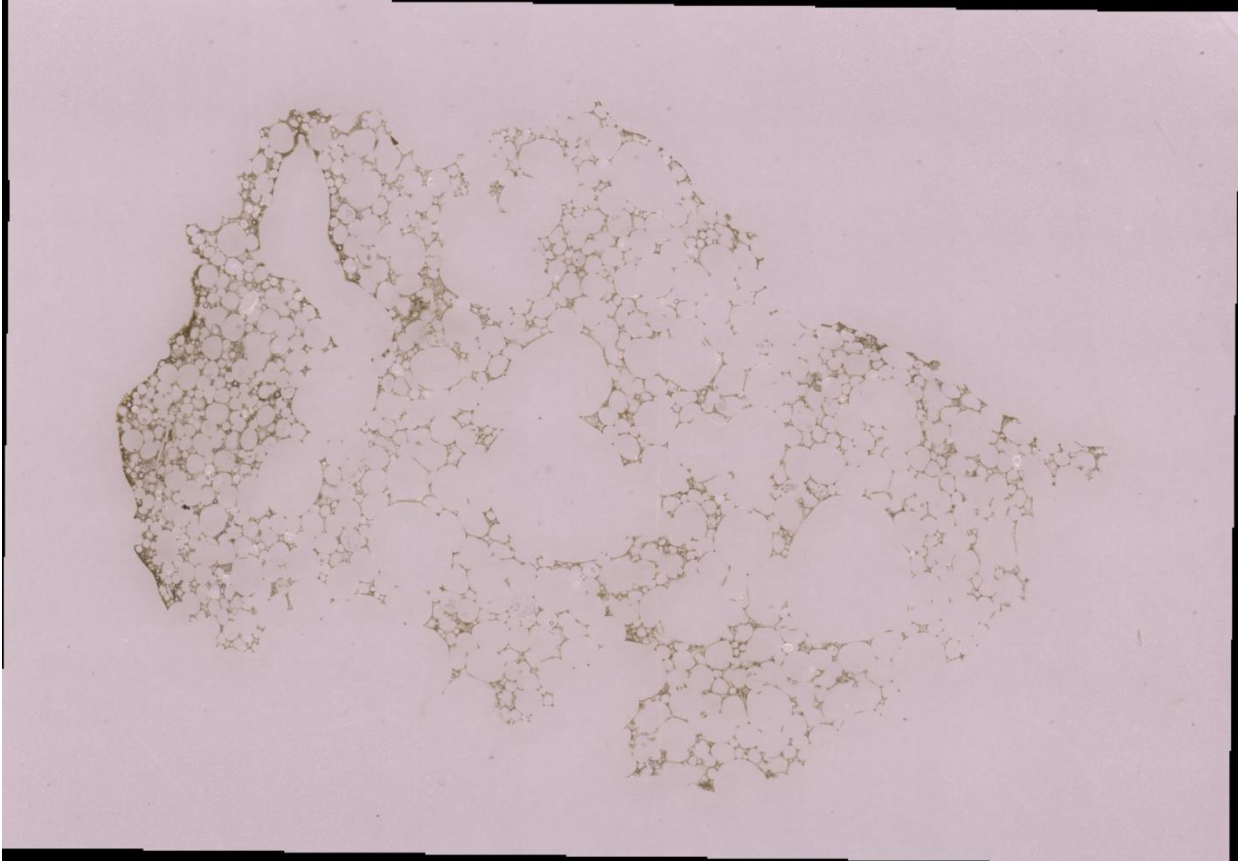


6 September: WM1496:

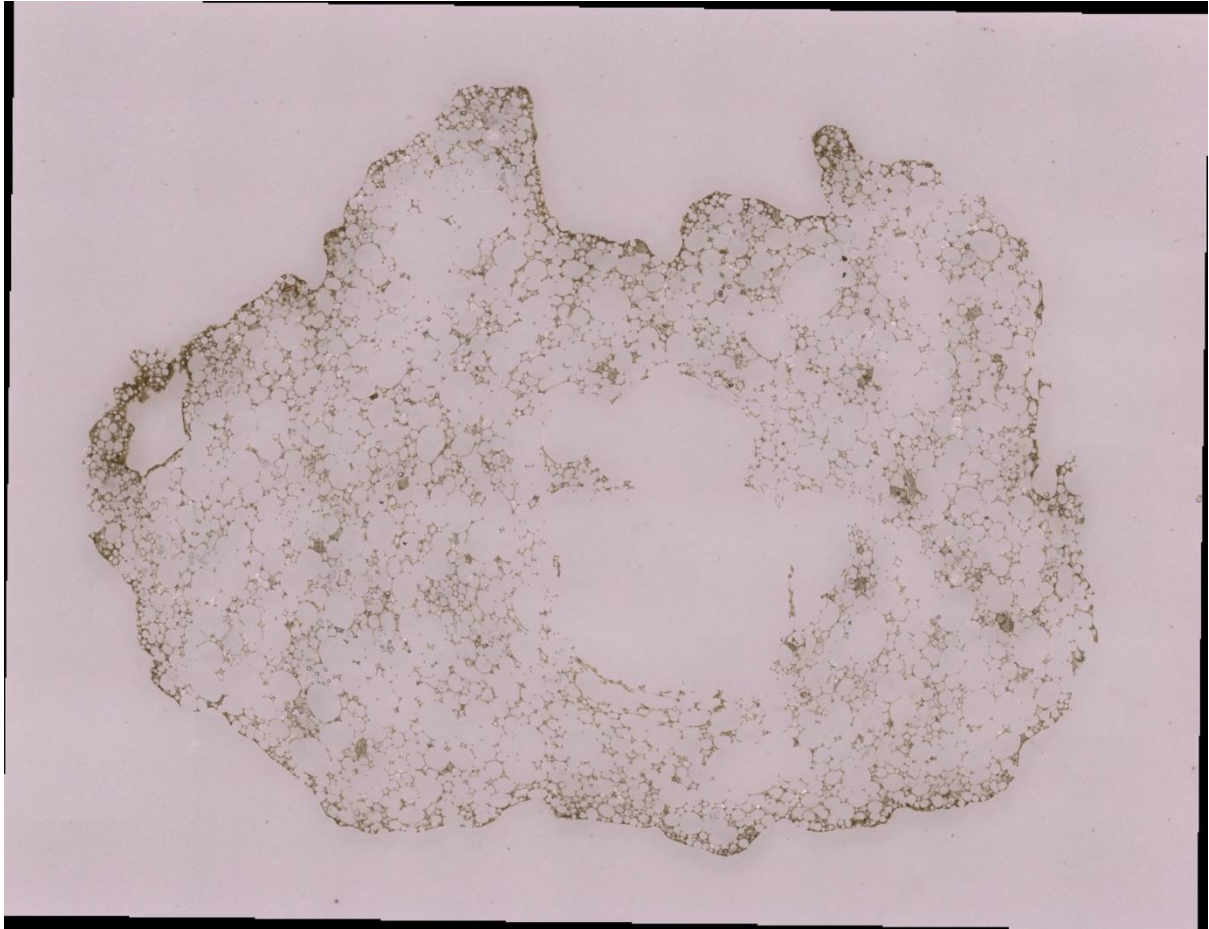
WM1496-2_9_8



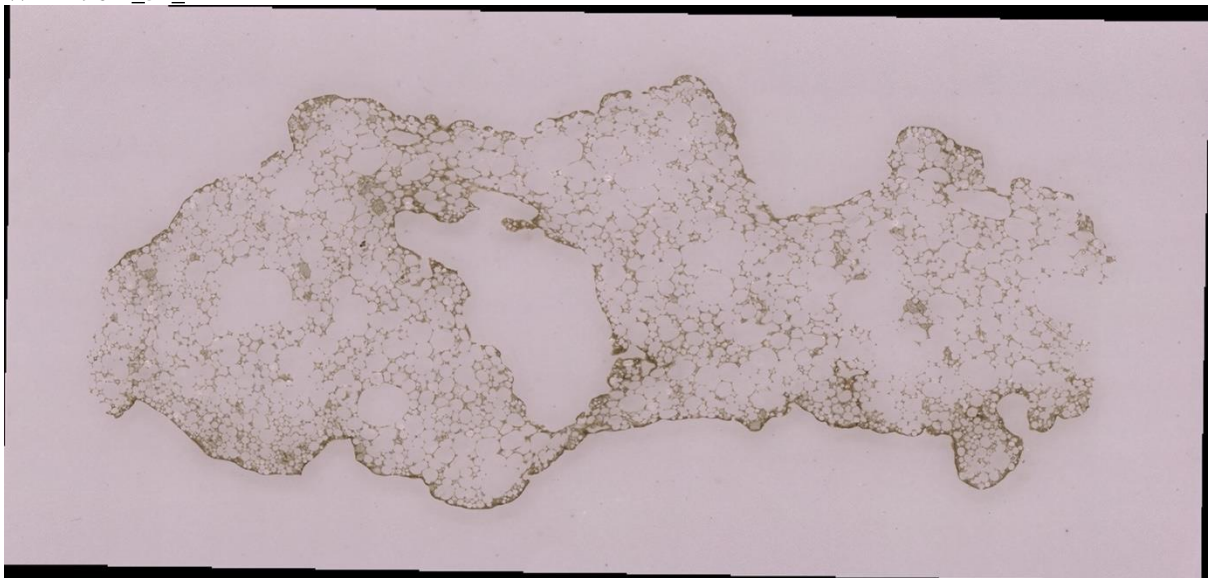
WM1496-2_18_6



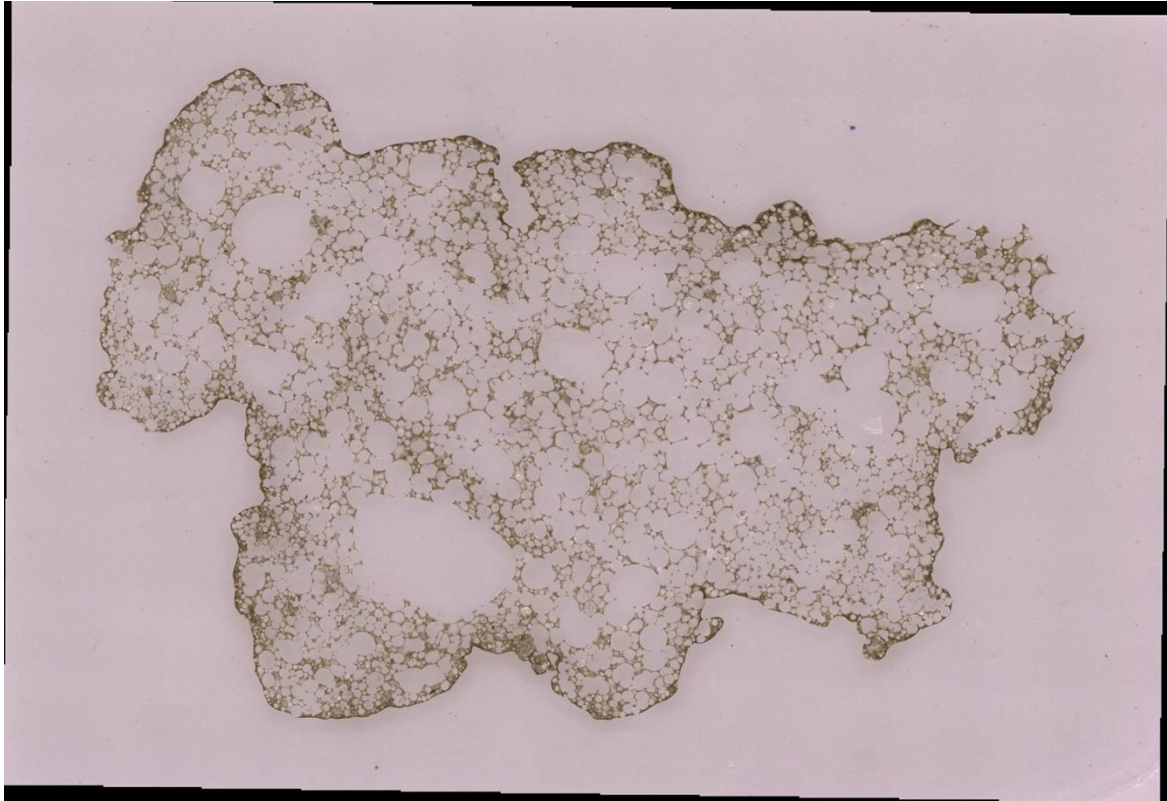
WM1496-2_50_7



WM1496-2_51_4

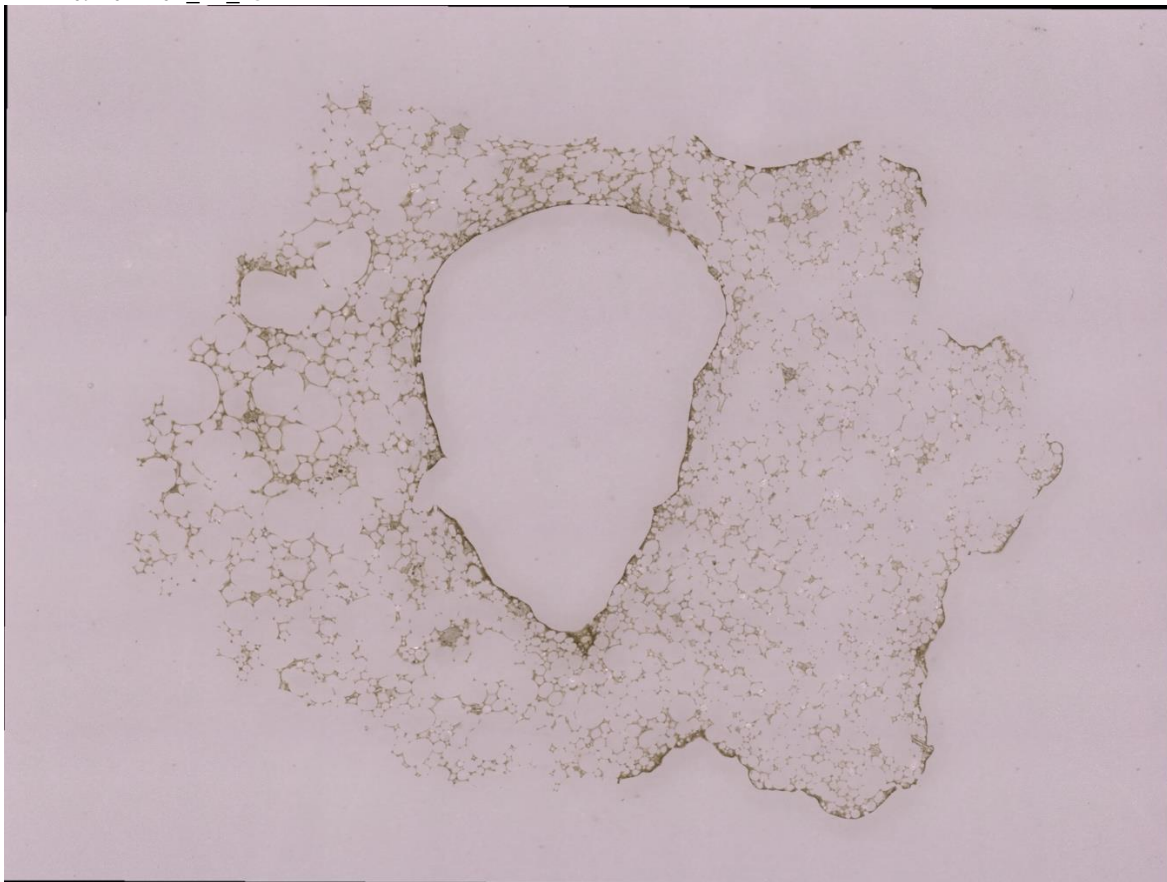


WM1496-2_55_5

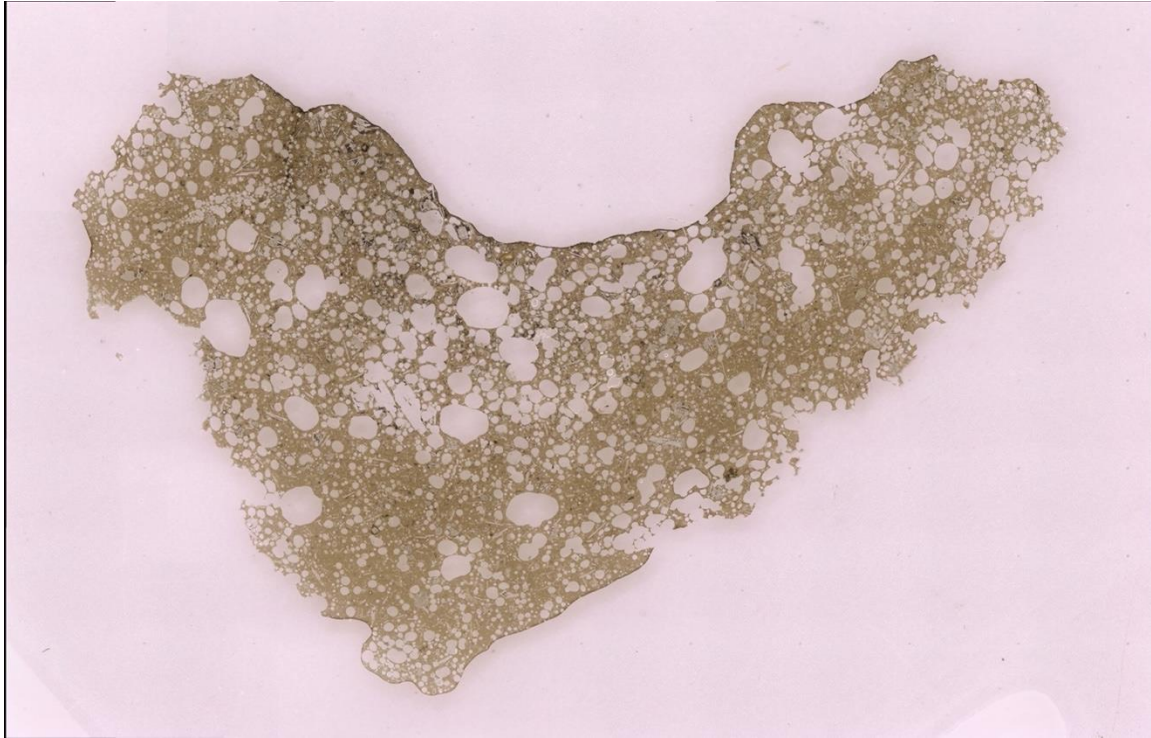


17 September: ÁH17092014:

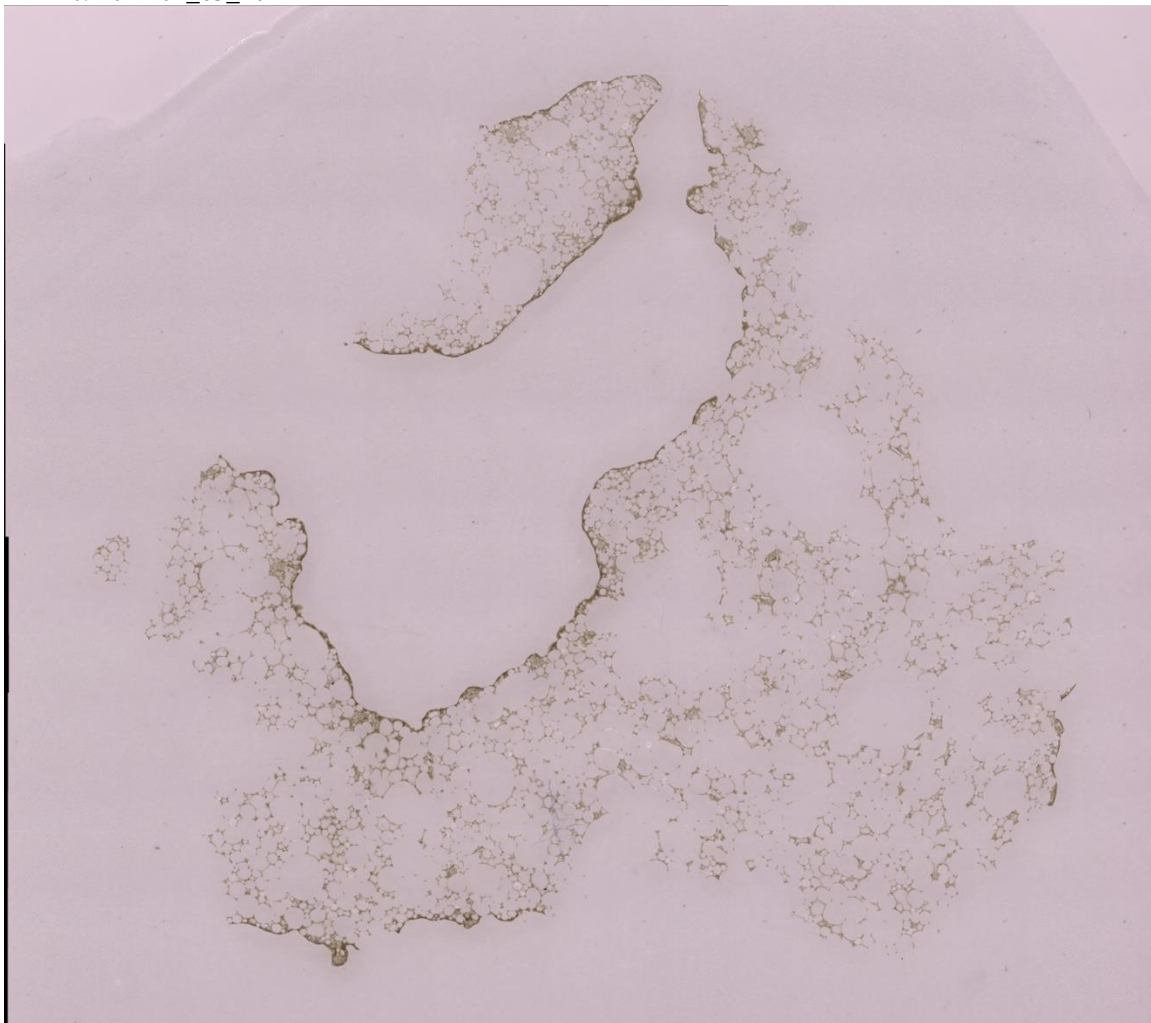
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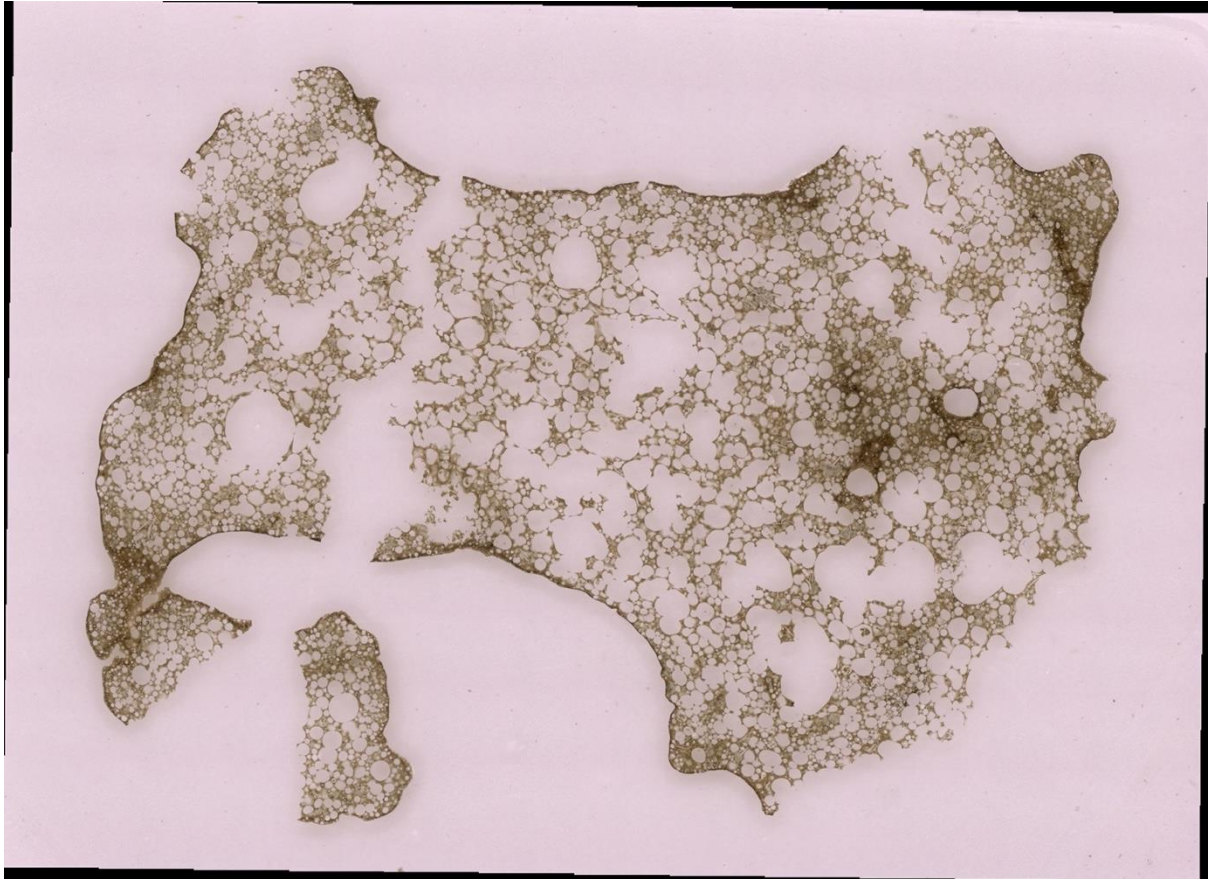
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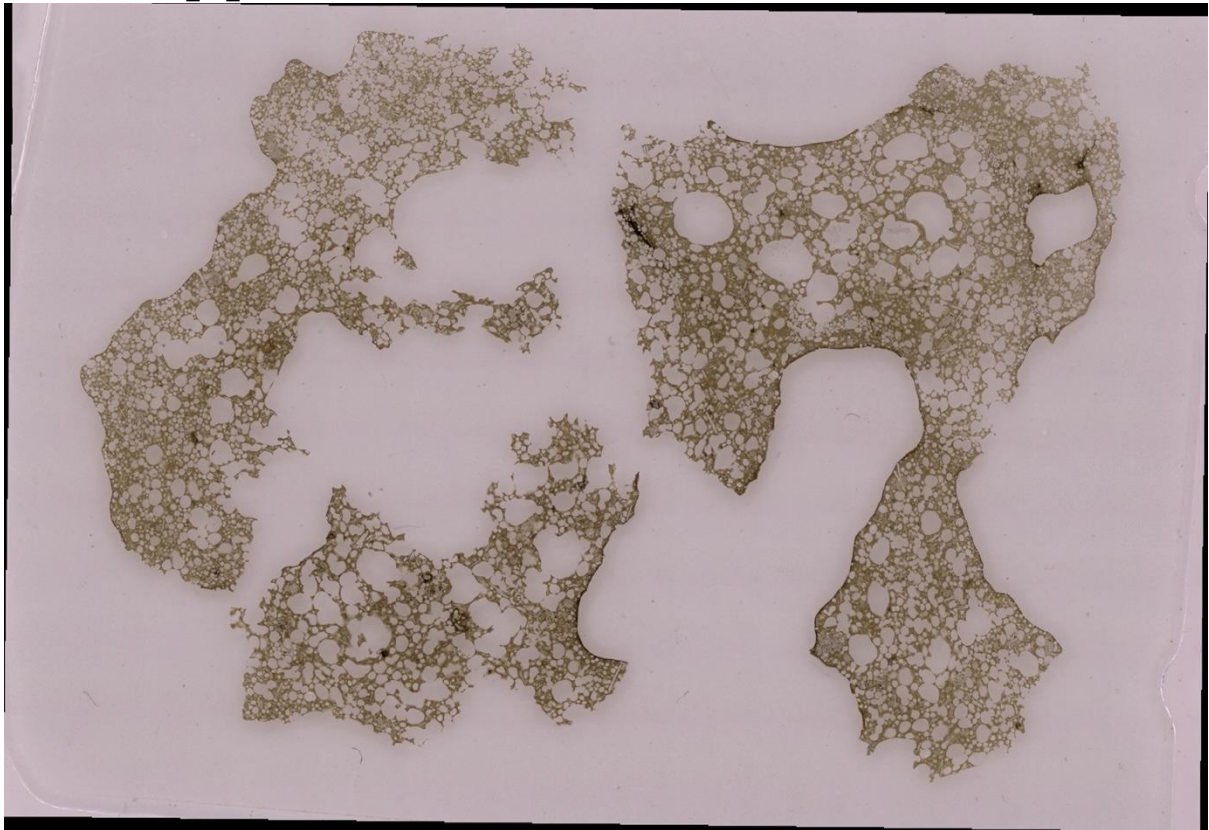
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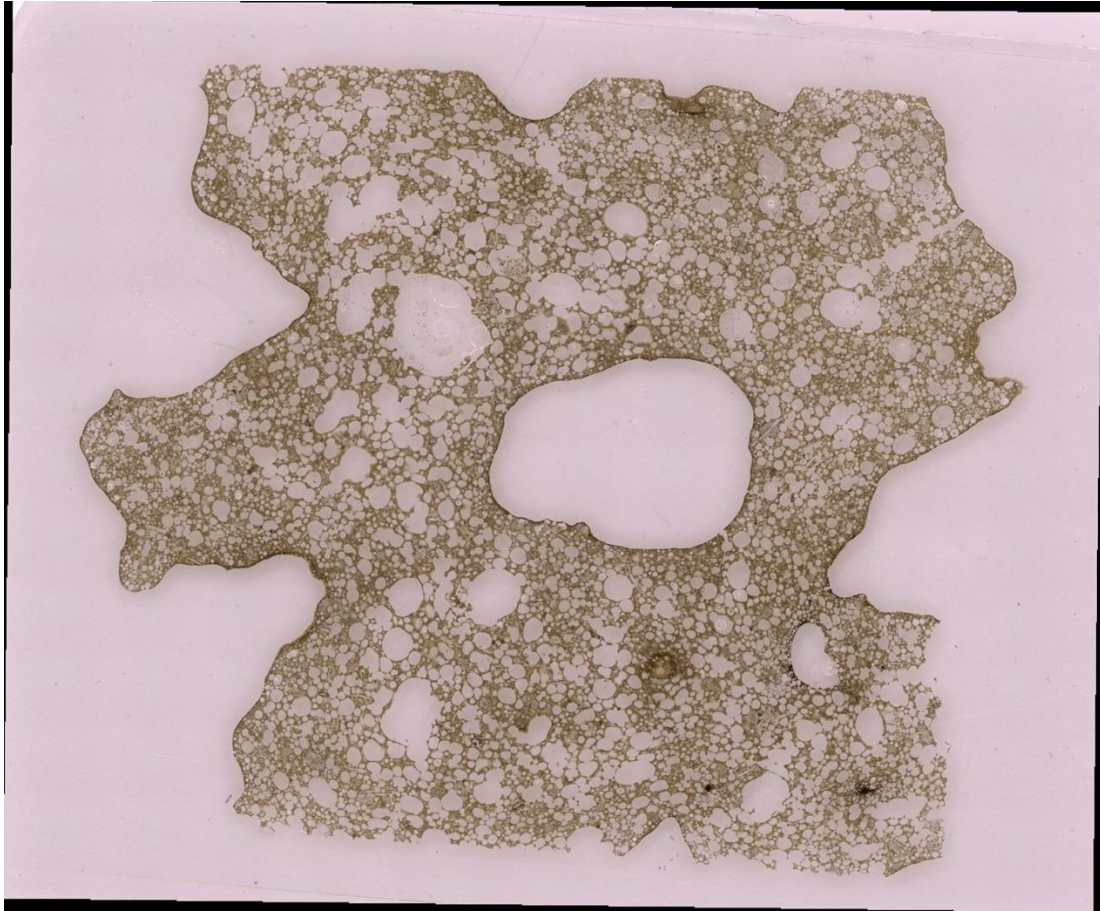
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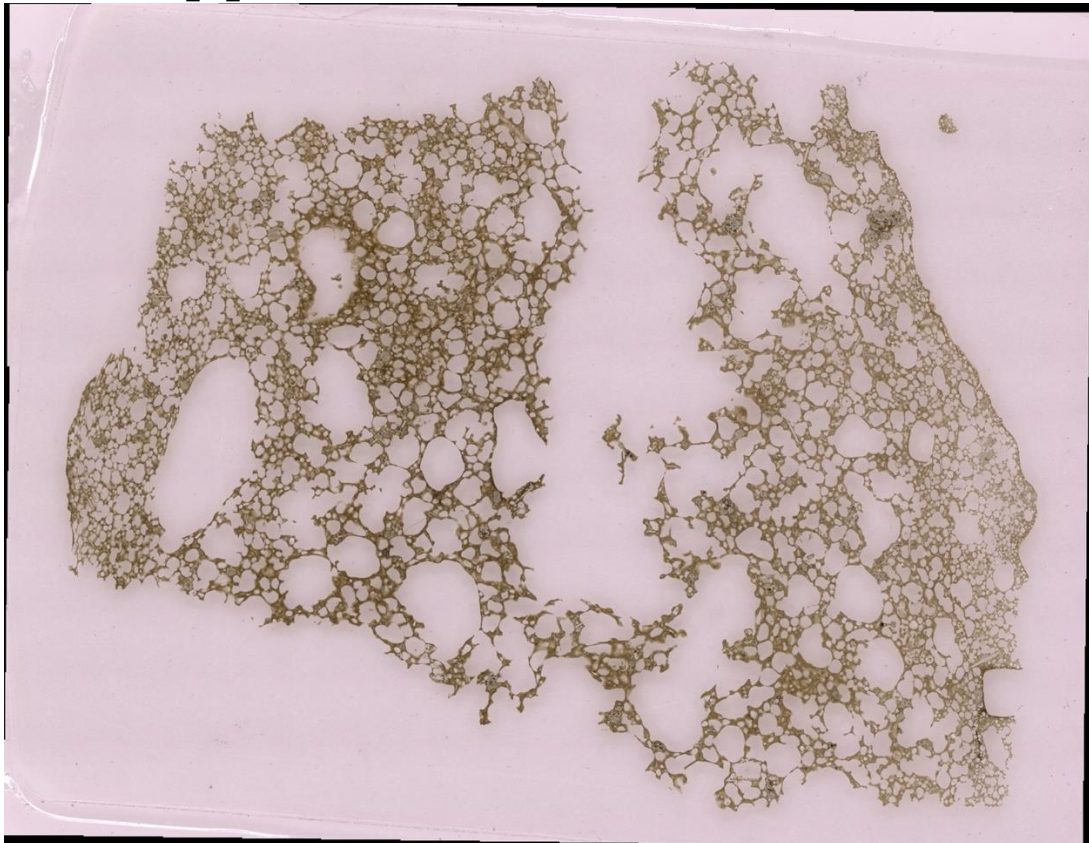
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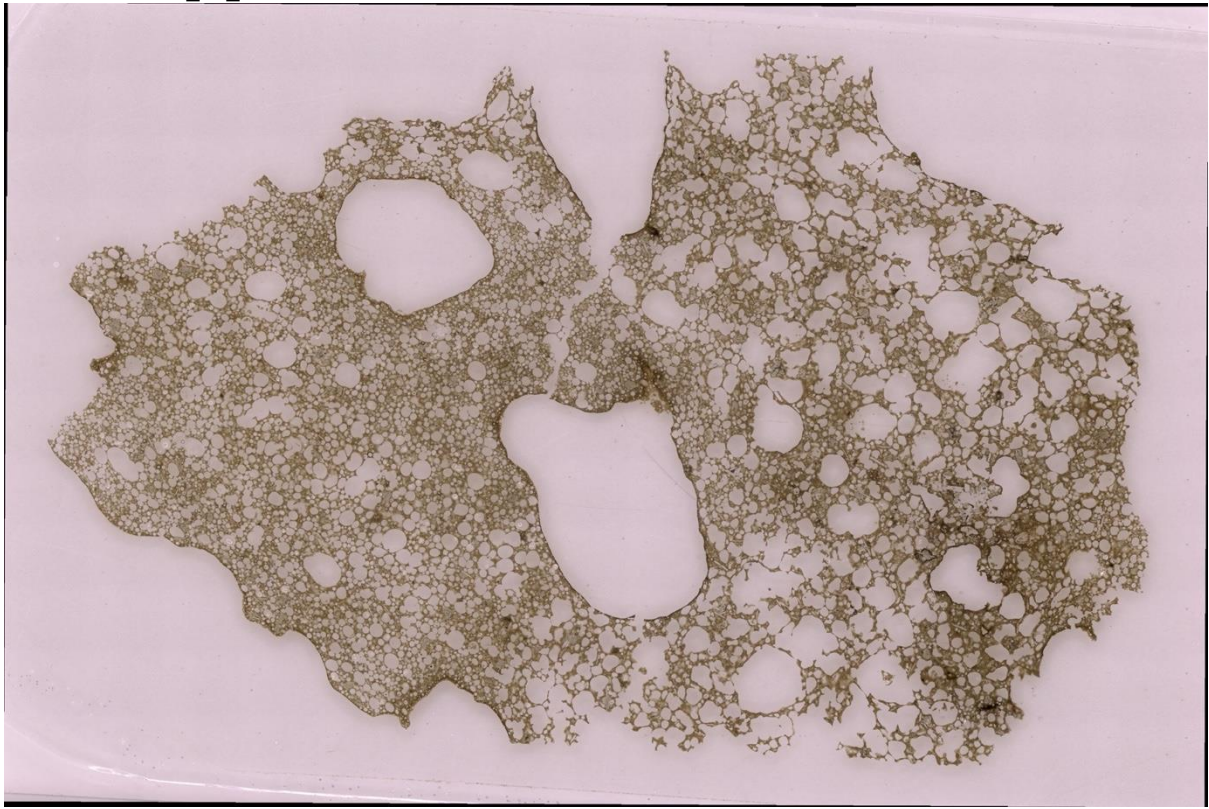
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ÁH17092014-01_95_10

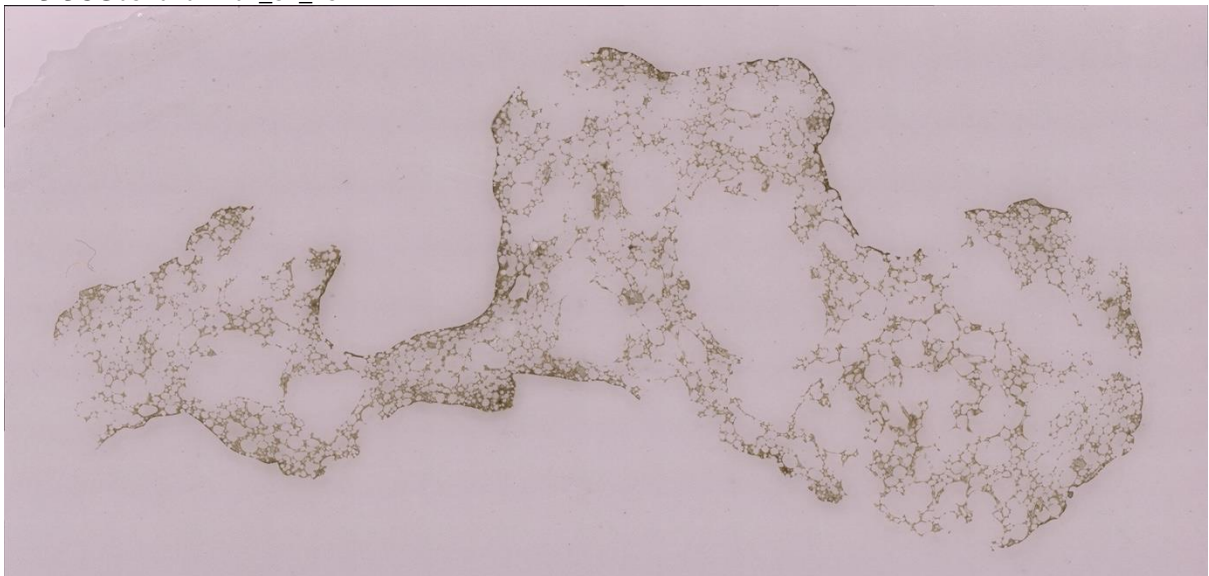


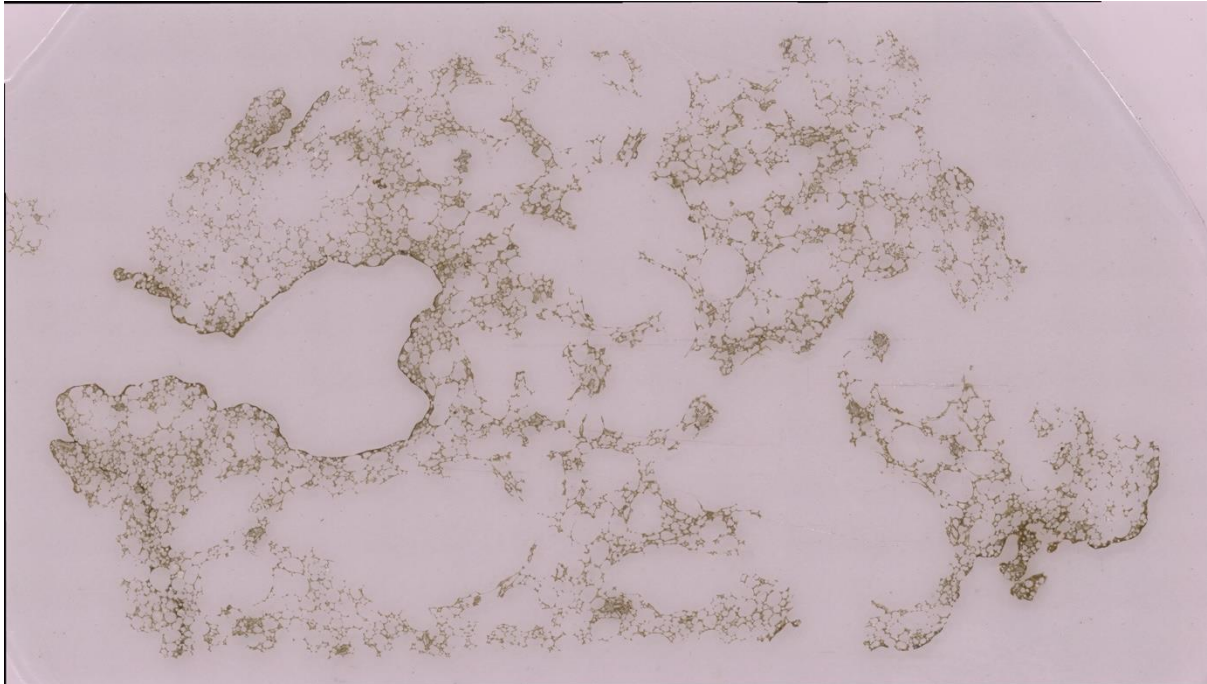
ÁH17092014-01_99_14



8 October: TT08102014:

TTJJJCG08102014-01_87_18

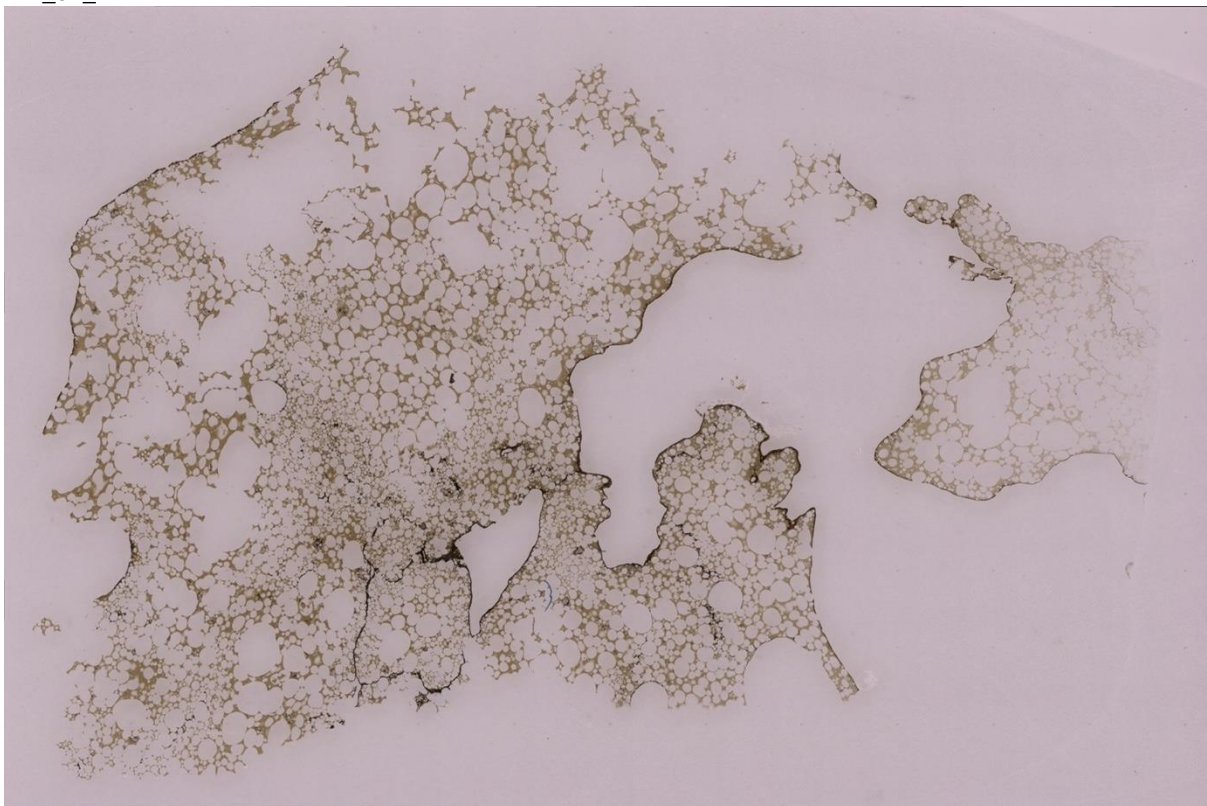




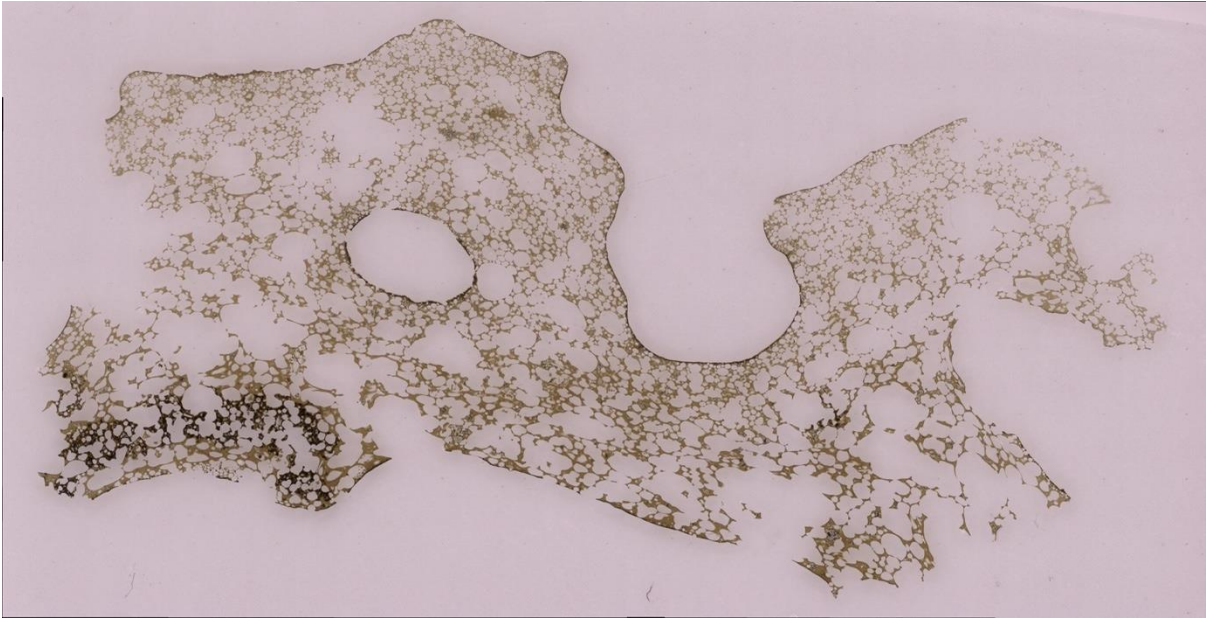
Appendix C6. 2: Thin sections of Laki clasts imaged in PPL at 100x magnification.

M1

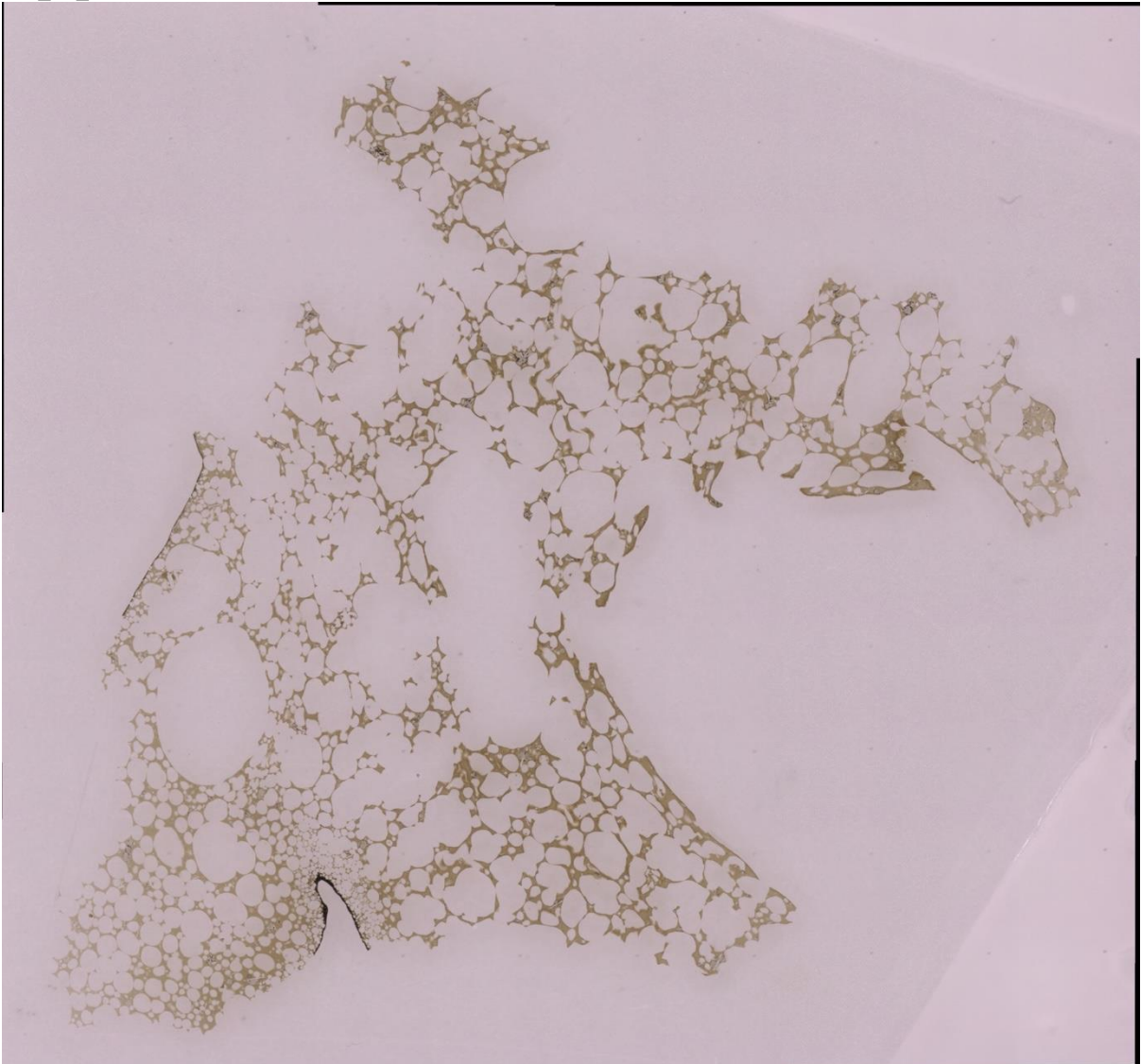
M1_87_1



M1_98_2

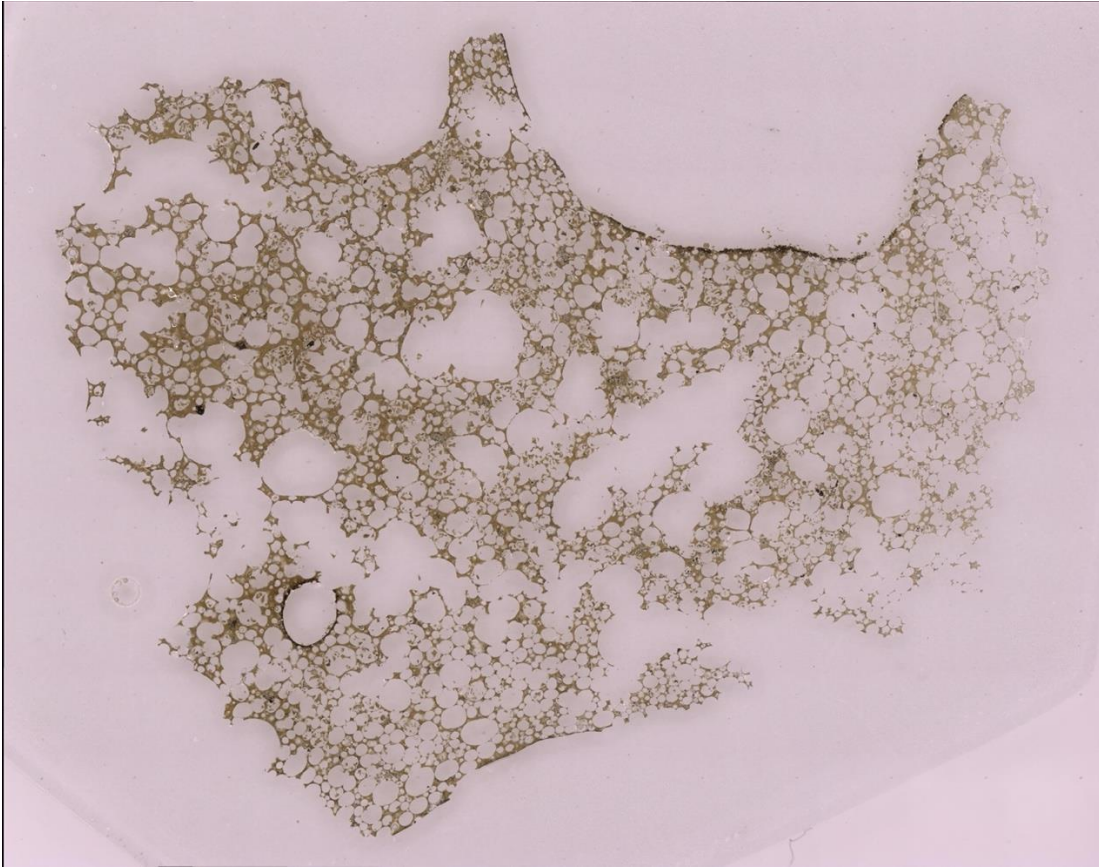


M1_99_3

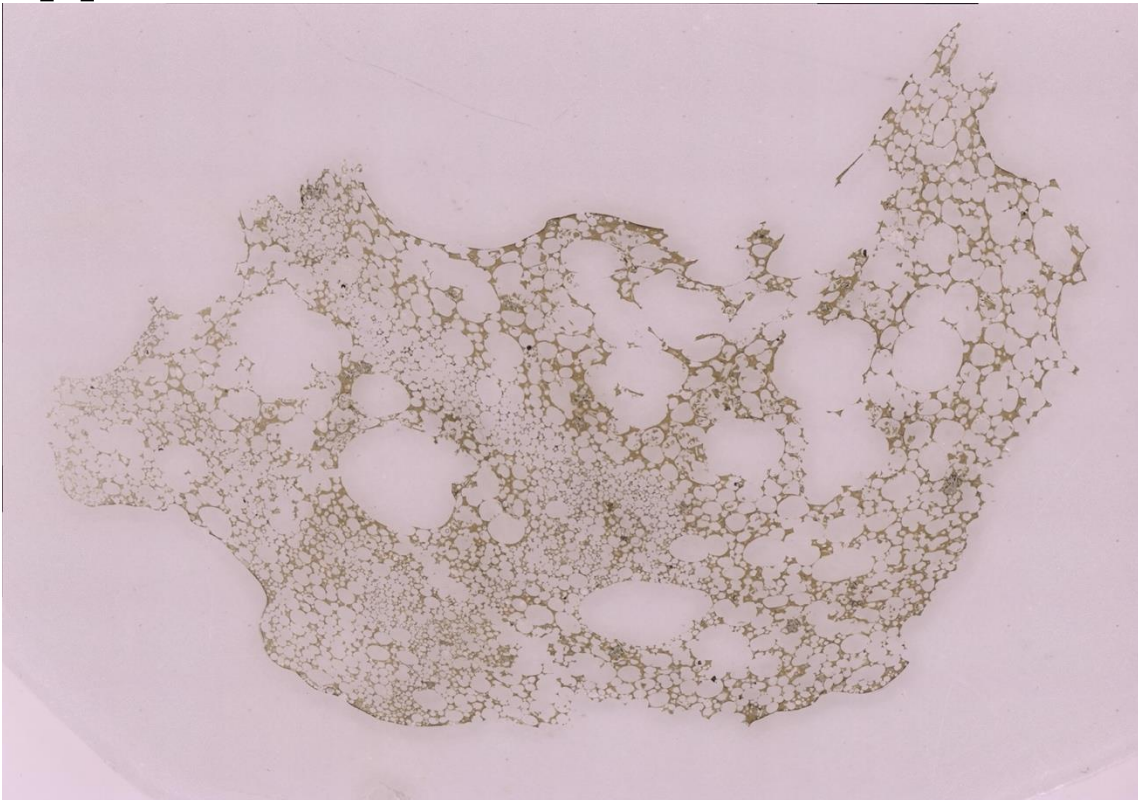


M2

M2_62_4



M2_71_5

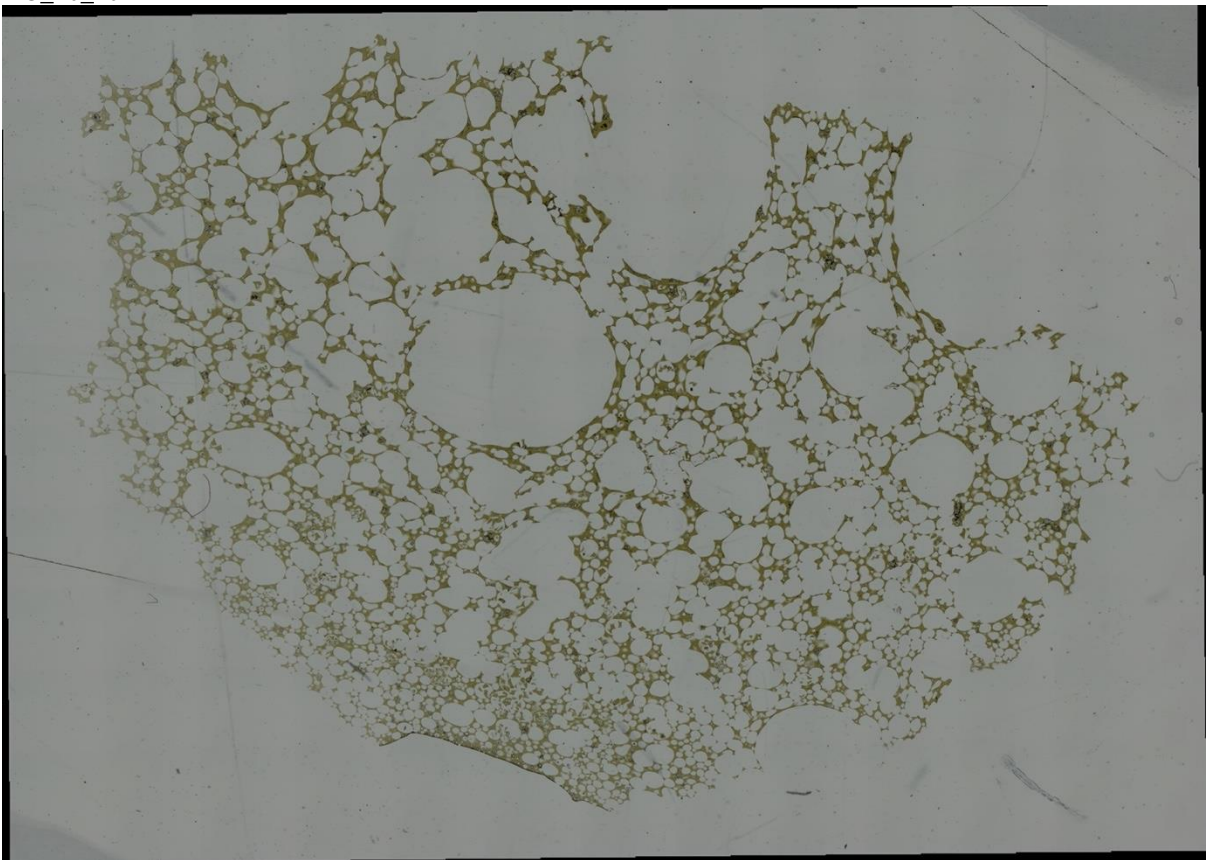


M3

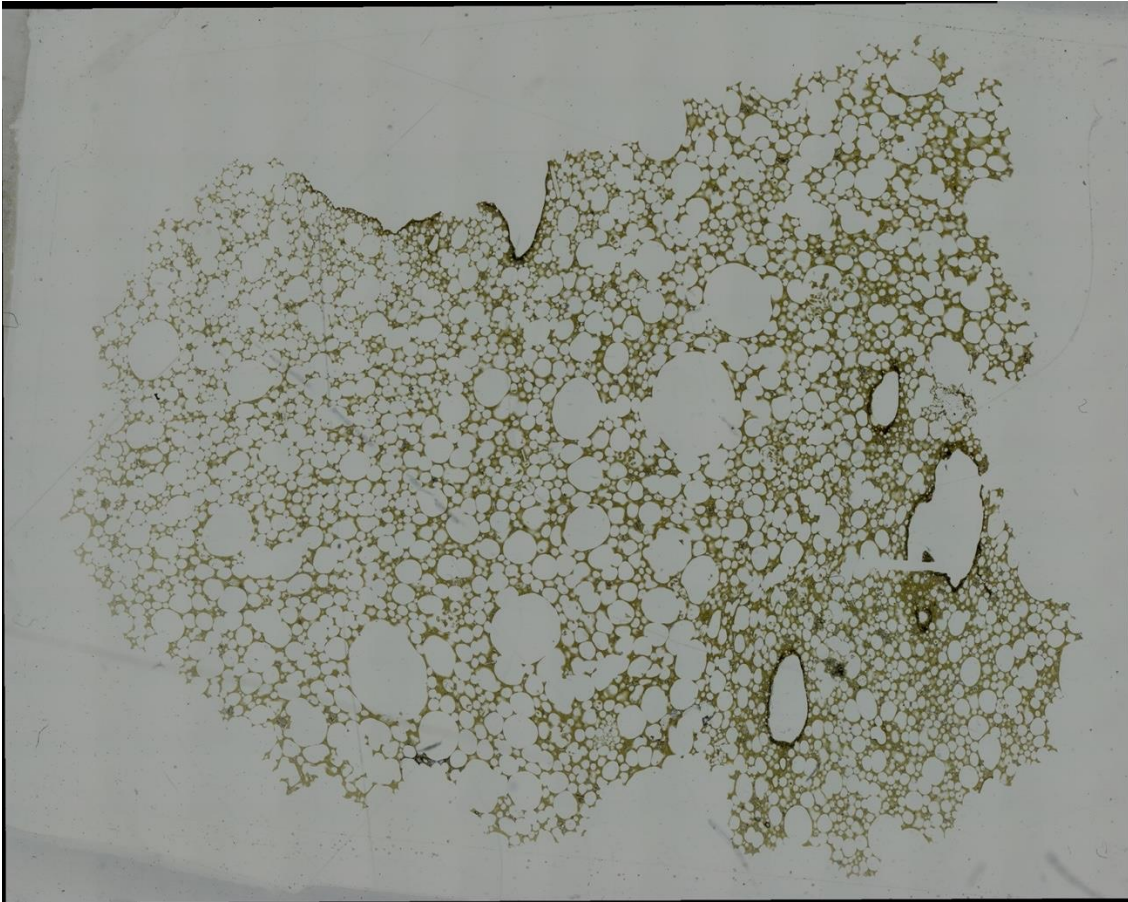
M3_56_13



M3_70_10



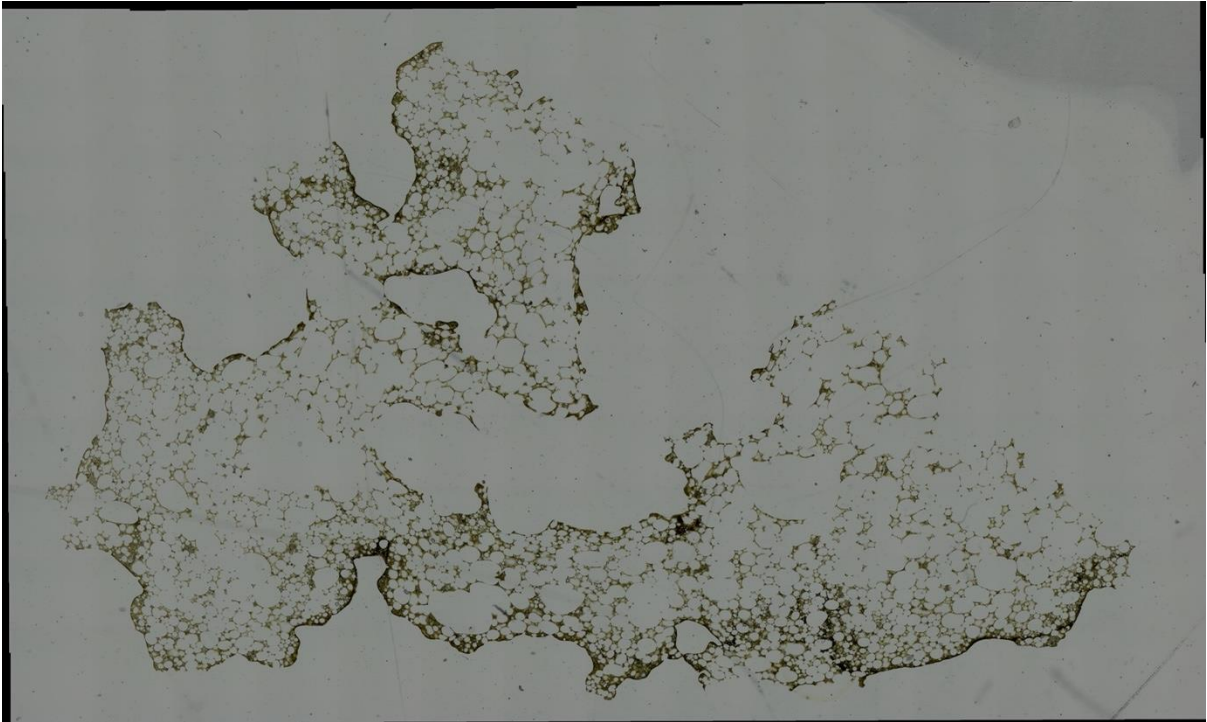
M3_74_11



M3_74_11



M3_76_08

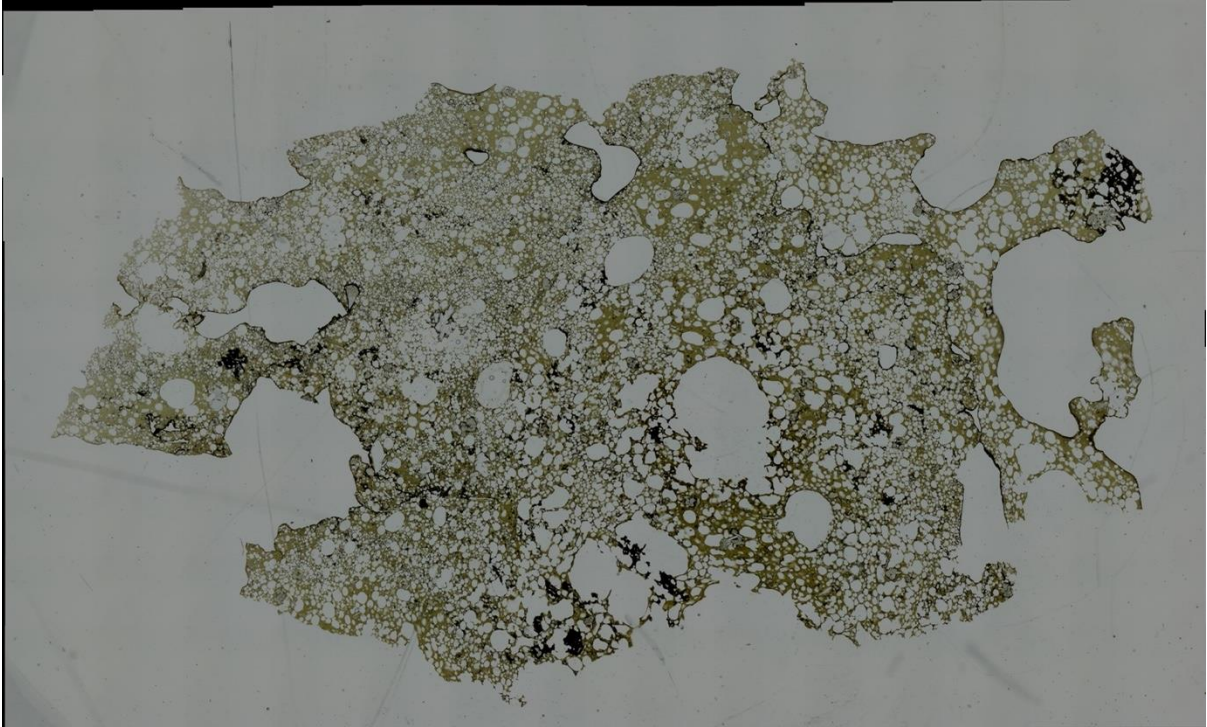


M3_76_09

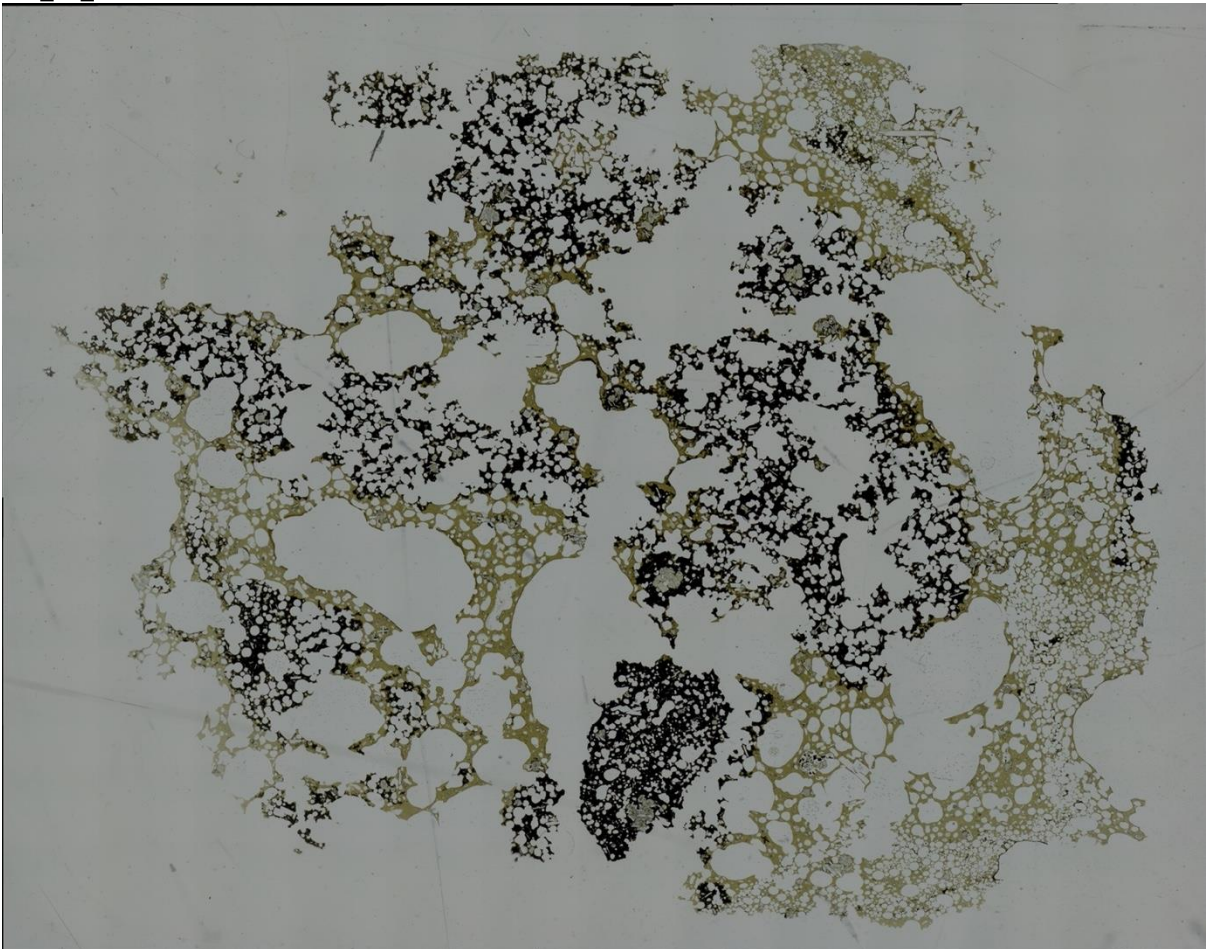


M4

M4_82_14



M4_87_15

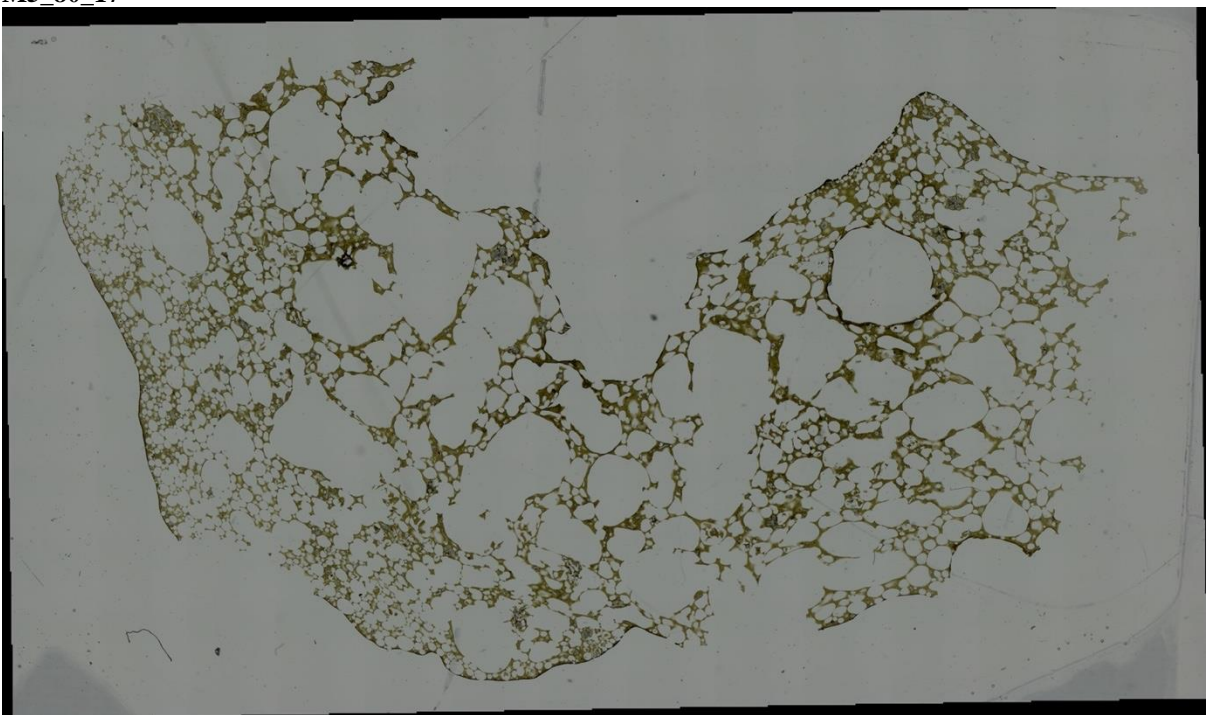


M4_97_16

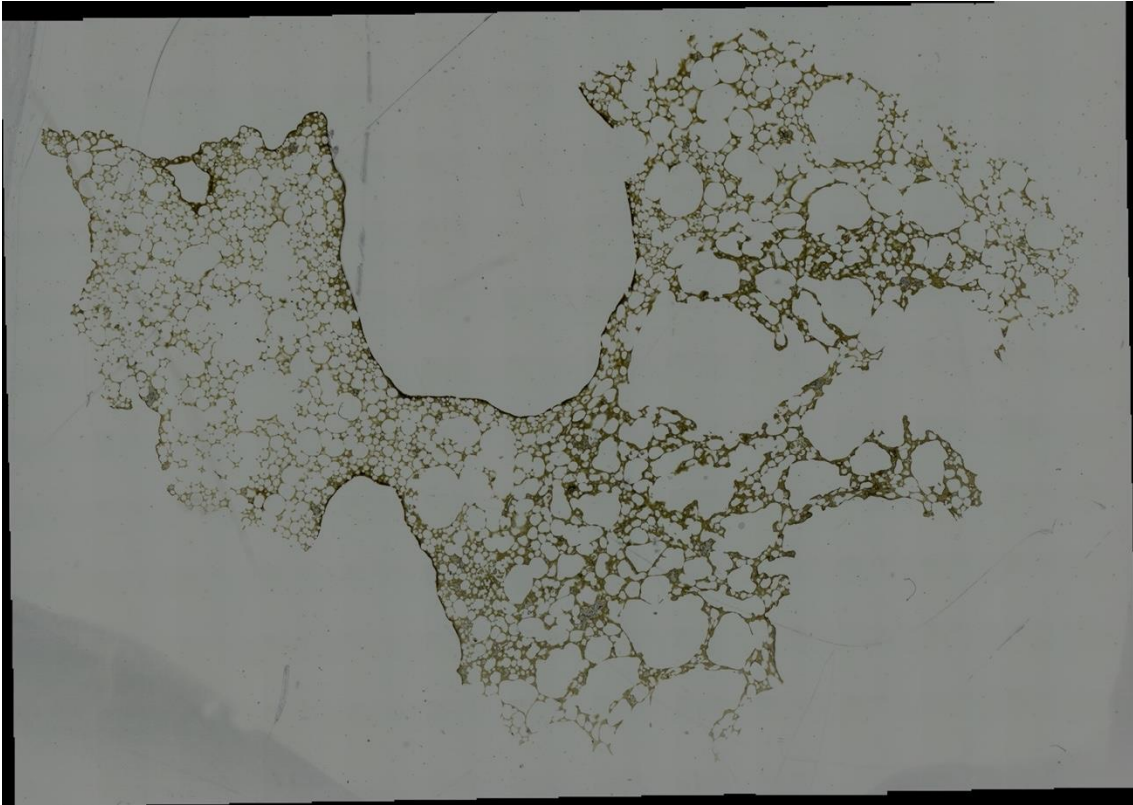


M5

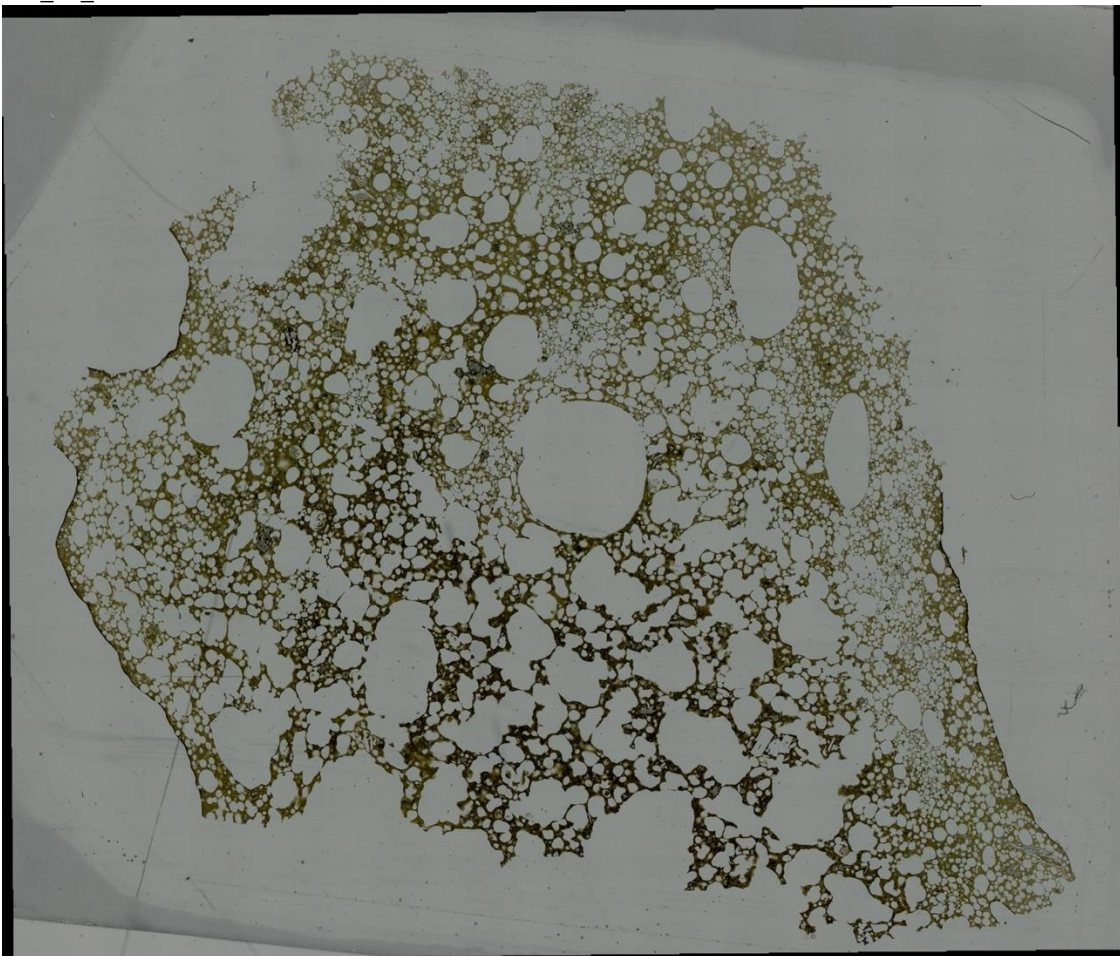
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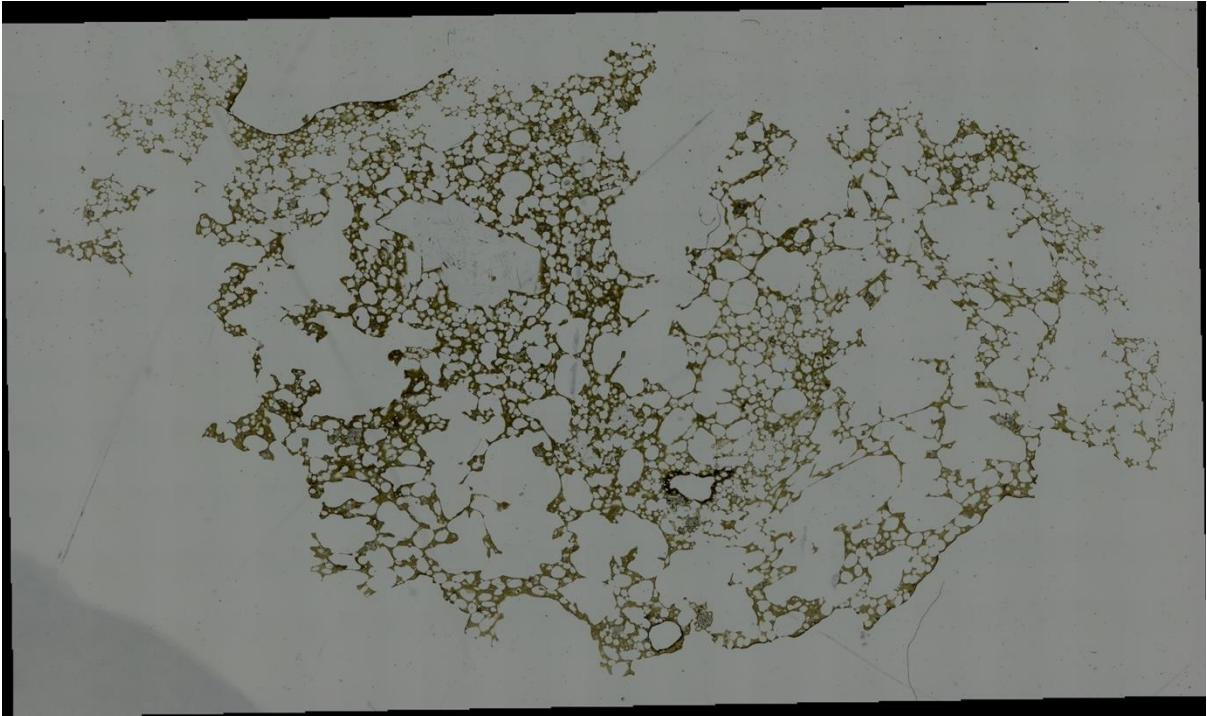
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M5_89_20



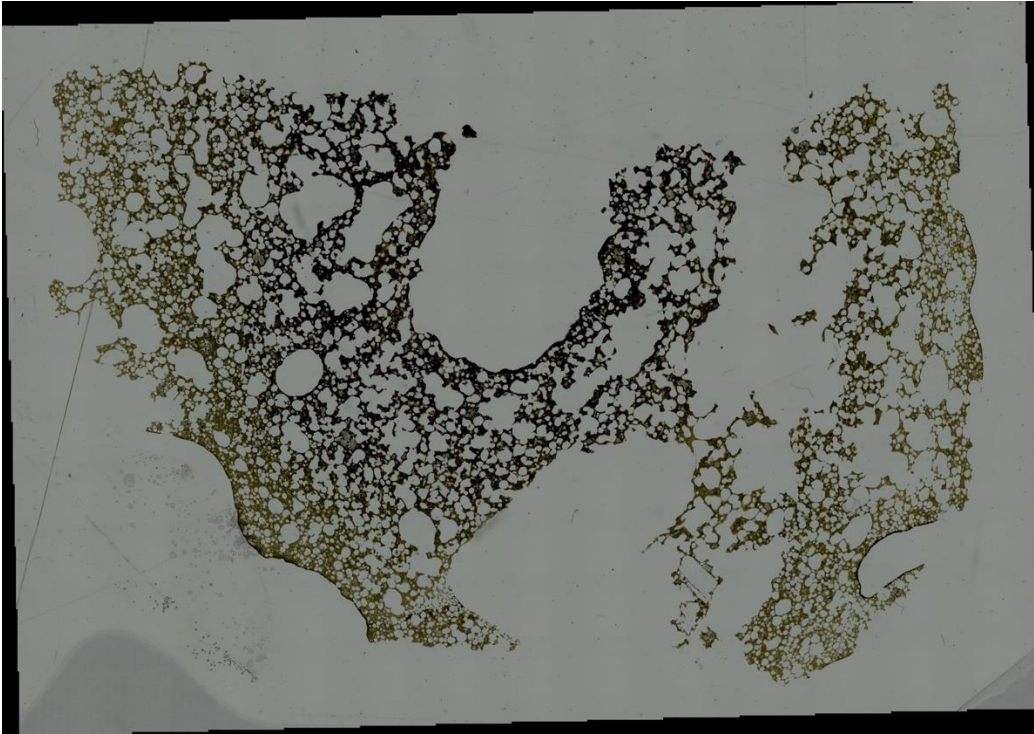
M5_90_19



M5_94_21

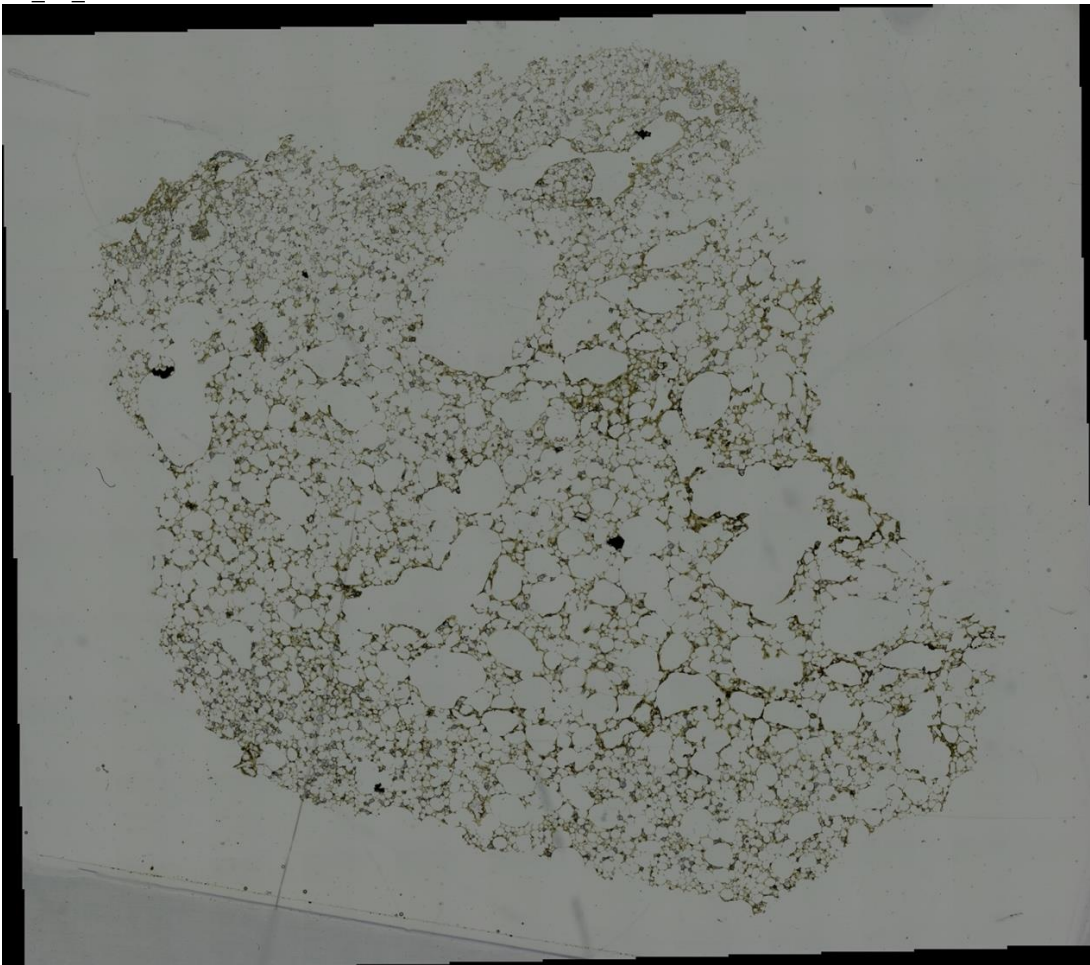


M5_98_22

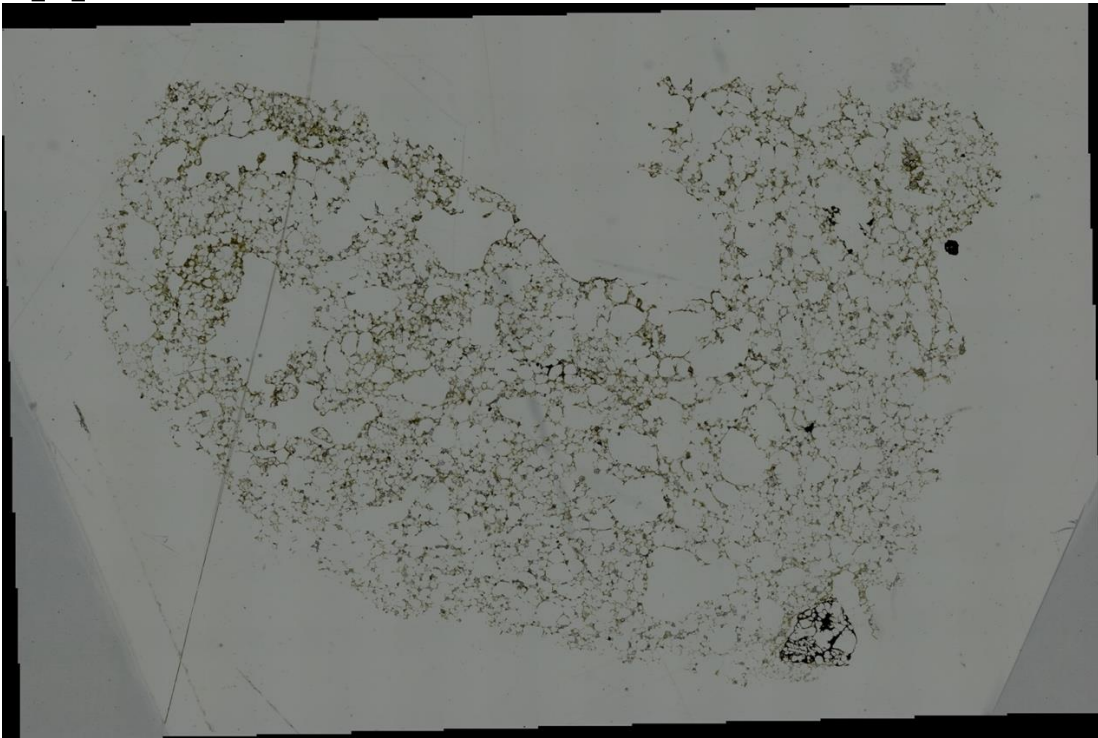


P3

P3_82_23

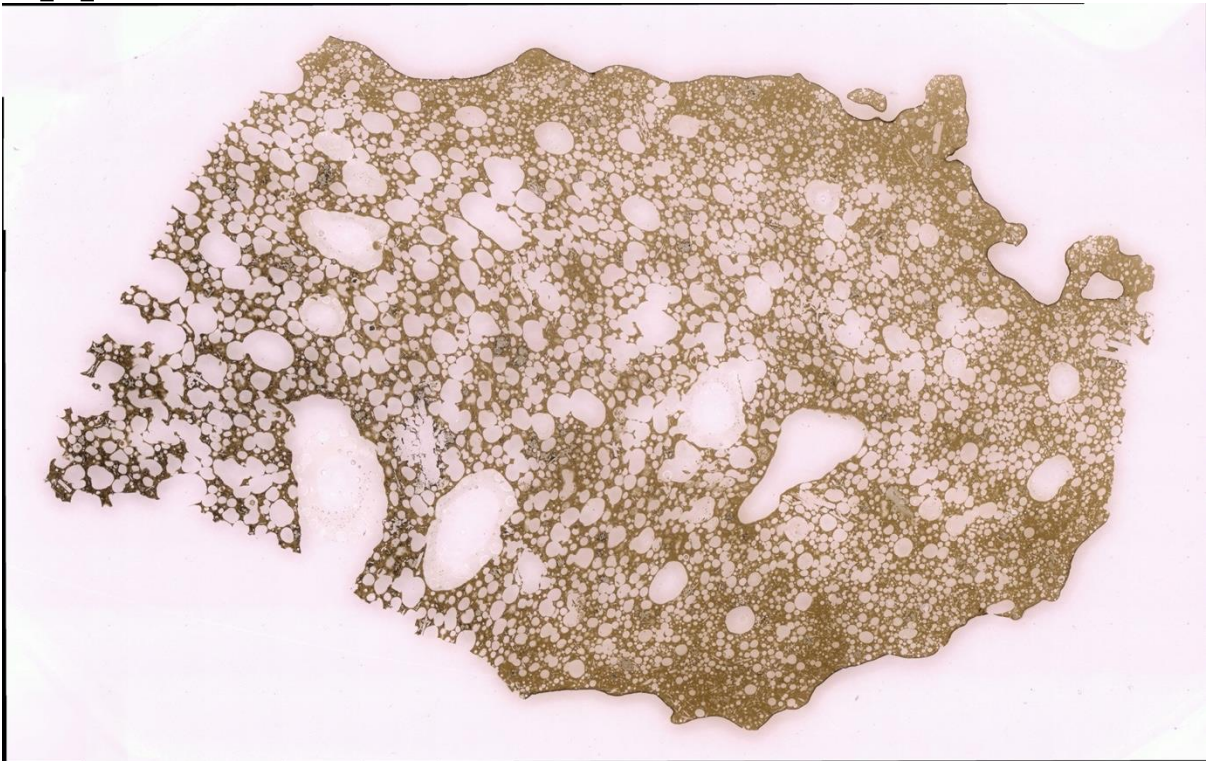


P3_91_25

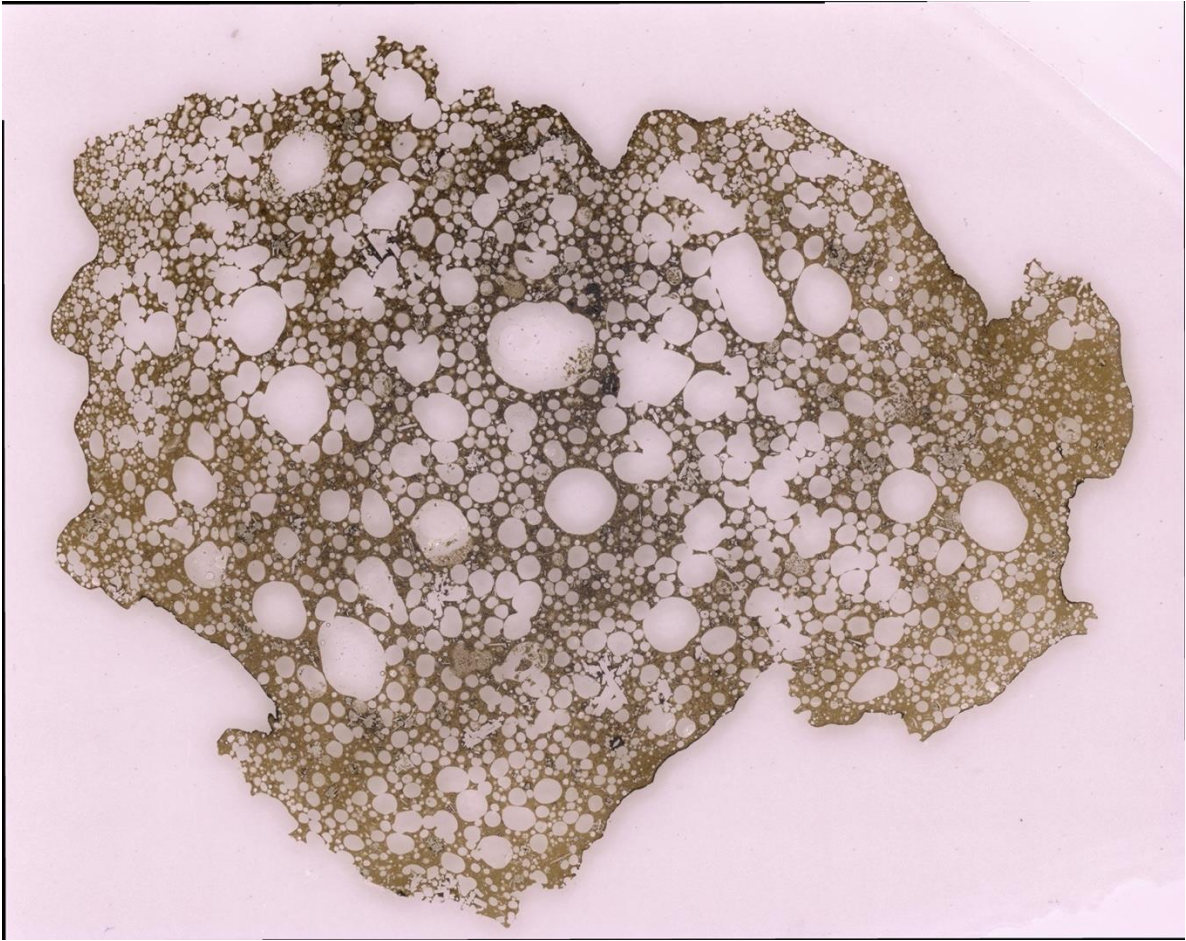


M6

M6_91_26



M6_94_27



M6_95_28

