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Micromorphological thin section manufacture AMBI Lab, Universidad de La Laguna, Tenerife, Spain

Lucia Leierer¹, Caterina Rodríguez¹, Carolina Mallo¹

¹Universidad de La Laguna

Paleochar ERC

Lucia Leierer

Universidad de La Laguna

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We use this protocol and it's working

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ABSTRACT

Protocol for the manufacture of micromorphological thin sections performed at AMBI Lab, Universidad de La Laguna, Tenerife, Spain.

Keywords: Micromorphology,
Archaeology, AMBI Lab,
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- 1 Oven drying of intact sediment blocks at 60 °C for 48:00:00
- 2 Impregnating of sample with a 7:3:0.1 ratio of a mixture of of polyester resin (Palatal strained resin UN1866, TNK composites), styrene (Styrene monomer (CAS: 100-42-5) UN2055, TNK composites) and a catalyzer (Methyl-ethyl-ketone (Luperox, CAS: 78-93-3), TNK composites)
- 3 After hardening, cutting of the blocks into 1 cm-thick slabs using a Euro-Shatal M31100 radial saw
- 4 Glueing onto 9 cm x 6 cm glass slides
- 5 Trimming to 1mm thickness using a Uniprec ATA Brilliant-220 precision cutting machine
- 6 Grinding to 30 µm thickness using a G&N MPS-RC-Geology grinding machine