



Mar 06, 2019

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

DOI

dx.doi.org/10.17504/protocols.io.yh8ft9w

Lucia Leierer¹, Caterina Rodríguez¹, Carolina Mallo¹

¹Universidad de La Laguna

Paleochar ERC



Lucia Leierer

Universidad de La Laguna

OPEN  ACCESS



DOI: dx.doi.org/10.17504/protocols.io.yh8ft9w

Protocol Citation: Lucia Leierer, Caterina Rodríguez, Carolina Mallo 2019. Micromorphological thin section manufacture AMBI Lab, Universidad de La Laguna, Tenerife, Spain. [protocols.io https://dx.doi.org/10.17504/protocols.io.yh8ft9w](https://dx.doi.org/10.17504/protocols.io.yh8ft9w)

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: February 25, 2019

Last Modified: March 06, 2019



Protocol Integer ID: 20768

Keywords: Micromorphology, Archaeology, AMBI Lab, Paleochar ERC,



Abstract

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

- 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