

AIM: (a) to get familiar with the handling procedure for dating of ceramics and sediments, (b) to prepare aliquots for dating applications and (c) to get familiar with all instrumentation required for dating applications.

Materials: Pottery and geological/sediment samples

PROTOCOL:

Gentle crushing and smashing

Estimation of water content for dose rate corrections (heating at 50-70 °C until mass stabilization)

Estimation of organic content for dose rate corrections, using 15% H₂O₂

Grain size selection by sieving, depending on the grain size of interest according to the following alternatives: fine grains (4-12 microns) for pottery, coarse grains (90 – 140 microns) for geological samples.

Suspension in acetone – deposit on disks via evaporation (for the case of the fine grains only) → Check for mass reproducibility.

All handlings will be prepared in dim red light conditions.