

CAMECA Microprobe Sample Preparation

Samples to be analyzed by electron microprobe should be stable under high vacuum and under exposure to an electron beam. Furthermore, they should have a planar and highly polished surface.

Petrographic thin sections of 28x48mm size or 1-inch mounts (25mm in diameter) are preferred. These samples fit well into our sample holders. If you have samples of different size, please contact us so that we can check the availability of a suitable sample holder.

Available Sample Holders

We currently have:

HO6: 6, 1 inch(25mm diameter holders).

HOTS2+2: 2, 1 inch holders and 2, 28x48mm slides.

HOTS4: 4, 28x48mm slides.

Cleaning and Carbon Coating

All sample surfaces need to be properly cleaned prior to analysis. To avoid charging effects on the sample surface, non-conductive samples have to be coated with a thin layer of carbon. Samples can be dropped off at NRF reception desk. If you have any questions please email us at rscinfo@mail.ufl.edu