

Au film on Mica

AU25M

A gold (Au) deposition on a mica substrate is the optimum substrate for scanning probe microscopy of monomolecular films.



Typical STM Image



3 x 3 μm scan range

• Specifications

Mica substrate size: 25 x 25 mm (standard)

Gold (Au) film thickness: 300 nm

• Heat Treatment

- Before using, customers must do a heat-treatment to the sample around 700°C with a hydrogen or butane flame in air to obtain a gold surface with an Au (111) orientation.
- With the herringbone structure characteristic of Au (111), the heat-treated surface will automatically have smooth terraces, with average sizes on the order of 150 x 150 nm

*There are grip sections for tweezers at the margin. Please be informed that this product does not mean to be available to use the whole 25x25mm.

*Please bear in mind that this product is a natural mica substrate, therefore there will be a certain amount of wrinkles and bumps as a characteristic of mica.

Prices and specifications are subject to change without notice.