

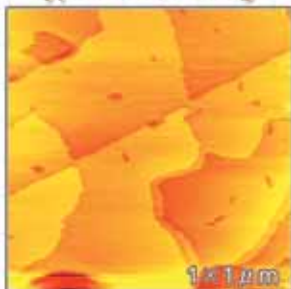
Gold (Au) Deposition Film on Mica Substrate

AU15M

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



Typical STM Image



The herringbone structure



Specifications

Mica substrate size : 15 × 15 mm (Standard)

Mica thickness : 60 to 120 μm

Gold (Au) film thickness : 100 to 150 nm

Heat Treatment

- The customer must heat-treat the sample before use to around 700 °C with a hydrogen or butane flame in air to obtain a gold surface with a Au(111) orientation.
- With the herringbone structure characteristic of Au(111), the heat-treated surface will have atomically smooth terraces, with average sizes on the order of 150 × 150 nm.

Standard Size FOB Price List

Single 20,000JPY (plus tax)

Set of 4 70,000JPY (plus tax)

Contact UNISOKU for prices for special order sizes.

*1 Please bear in mind that because this product uses a natural mica substrate, its surface will have a certain amount of wrinkles and bumps characteristic of mica.

*2 Non-standard sizes up to 20 × 30 mm are available.

Prices and specifications are subject to change without notice.