

Beam: 14 MeV Cu⁴⁺

Incidence angle: 45° towards the sample surface

Beam resolution ≈ 20 μm

Extraction voltage: +3 kV (positive ion spectra)

2203071

Sample: Mouse brain thin section deposited on Si wafer.

Image size: 2 mm*2 mm (100 pixels*100 pixels)

2111029

Sample: Patterned phthalocyanine grid with 462 μm step (bar size of 95.4 μm) evaporated on Si wafer

Image size: 1 mm*0.9 mm (50 pixels*50 pixels)

2203246

Sample: Fingerprint deposited on Si wafer

Image size: 5 mm*5 mm (124 pixels*124 pixels)

2111032

Sample: Ink crossing line deposited on paper (ink with BV3 pigment). Paper is attached with the carbon tape on Si wafer.

Image size: 1 mm*1 mm (50 pixels*50 pixels)