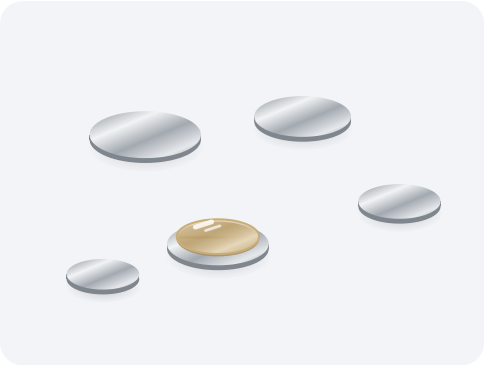
SERIES M15 – M17 · AFM / STM

AFM / STM specimen discs, mica and HOPG



Magnetic stainless steel discs hold samples on AFM and STM scanners with magnetic holders. Freshly cleaved muscovite mica and highly oriented pyrolytic graphite (HOPG) give atomically flat surfaces for DNA, proteins, nanoparticles, molecular self-assembly and instrument calibration.

- Ferromagnetic stainless steel discs, deburred and flat (≈ 0.8 mm thick)
- V1-grade muscovite mica, 0.15 – 0.21 mm thick
- HOPG grade set by mosaic spread: lower = more ordered
- Mica can be pre-mounted on steel discs

SPECIMEN DISCS

Ref. No.	Diameter	Material	Pack	Price
M1501	Ø 6 mm	Magnetic stainless steel	100 pcs	On request
M1502	Ø 10 mm	Magnetic stainless steel	100 pcs	On request
M1503	Ø 12 mm	Magnetic stainless steel	100 pcs	On request
M1504	Ø 15 mm	Magnetic stainless steel	100 pcs	On request
M1505	Ø 20 mm	Magnetic stainless steel	50 pcs	On request

MICA (MUSCOVITE, V1 GRADE)

Ref. No.	Format	Size	Pack	Price
M1601	Mica discs	Ø 10 mm	10 pcs	On request
M1602	Mica discs	Ø 10 mm	50 pcs	On request
M1603	Mica discs	Ø 12 mm	10 pcs	On request
M1604	Mica discs	Ø 12 mm	50 pcs	On request
M1605	Mica discs	Ø 15 mm	10 pcs	On request
M1606	Mica discs	Ø 15 mm	50 pcs	On request
M1607	Mica discs	Ø 20 mm	10 pcs	On request
M1608	Mica discs	Ø 20 mm	50 pcs	On request
M1609	Mica disc on steel disc	Ø 12 mm on Ø 15 mm	10 pcs	On request
M1610	Mica sheets	25 × 25 mm	10 pcs	On request
M1611	Mica sheets	25 × 75 mm	10 pcs	On request
M1612	Mica sheets	75 × 75 mm	10 pcs	On request

HOPG

Ref. No.	Grade	Mosaic spread	Best for	Size	Price
M1701	ZYA	0.4° ± 0.1°	Atomic-resolution STM, X-ray monochromators	10 × 10 × 1 mm	On request
M1702	ZYA	0.4° ± 0.1°	Atomic-resolution STM, X-ray monochromators	12 × 12 × 2 mm	On request
M1703	ZYB	0.8° ± 0.2°	STM / AFM calibration, research substrates	10 × 10 × 1 mm	On request
M1704	ZYB	0.8° ± 0.2°	STM / AFM calibration, research substrates	12 × 12 × 2 mm	On request

Ref. No.	Grade	Mosaic spread	Best for	Size	Price
M1705	ZYH	3.5° ± 1.5°	General flat conductive substrates, teaching	10 × 10 × 1 mm	On request
M1706	ZYH	3.5° ± 1.5°	General flat conductive substrates, teaching	12 × 12 × 2 mm	On request
M1707	ZYH	3.5° ± 1.5°	General flat conductive substrates, teaching	20 × 20 × 2 mm	On request

Specifications are typical values; every lot ships with a Certificate of Conformance, and measured data are available on request. Prices on request.