

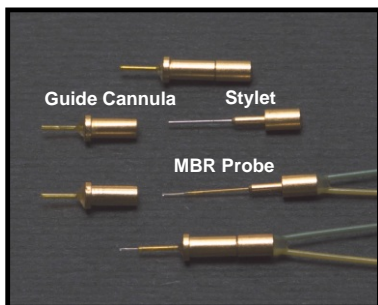
MBR Probes

The **Gold** Standard in Microdialysis!



MBR-style microdialysis probes and guide cannulae are intended for use in **M**ice, or wherever **M**ultiple and/or **M**iniature implants of **B**rain microdialysis probes are desired.

Mouse microdialysis imposes special requirements for a microdialysis probe. Probes and guide cannulae for mice must be small and lightweight. To accommodate the fragile skull of a mouse, probes are held in the guides via a low-insertion force elastomeric fit. The small size of MBR probes also makes them ideal as a general miniature brain microdialysis probe or for implanting multiple probes in a single animal. MBR guide cannulae can be implanted as close together as 3.2 mm on center. Probes alone can be implanted within 2.4 mm of one another. This permits multiple MBR probes to be implanted in a rat. Depending on the targets, two MBR probes may even be implanted in a mouse!



MBR probes are sized for either a 5 or 10 mm guide cannula length. The 5 mm guide is appropriate for mouse and dorsal rat brain structures, while the 10 mm guide cannula is appropriate for more ventral rat brain structures. MBR 5 and MBR 10 probes are available with 1 or 2, or 2 or 4 mm membranes respectively.

Membrane type: Cellulosic
Membrane OD: 220 microns
Molecular Weight Cut-Off: 38K Daltons
Cannula length of guide: 5 or 10 mm
Cannula length of matching probe: 7 or 12 mm

Ordering Information

- MD-2211** MBR-1-5 Brain Microdialysis Probe, 1 mm membrane. Matches MBR-5 guide. (6/pkg)
- MD-2212** MBR-2-5 Brain Microdialysis Probe, 2 mm membrane. Matches MBR-5 guide. (6/pkg)
- MD-2232** MBR-2-10 Brain Microdialysis Probe, 2 mm membrane. Matches MBR-10 guide. (6/pkg)
- MD-2234** MBR-4-10 Brain Microdialysis Probe, 4 mm membrane. Matches MBR-10 guide. (6/pkg)
- MD-2255** MBR-5 5 mm Intracerebral Guide Cannula with stylet (6/pkg)
- MD-2256** MBR-10 10 mm Intracerebral Guide Cannula with stylet (6/pkg)
- MD-1521** Clamp Rod (attaches to MD-1523 clamp and mounts on stereotaxic frame)
- MD-1523** Clamp for MBR probes and guides
- MD-1524** MBR Calibration Station (includes two MD-1523 MBR clamps)
- MD-1310** Self-tapping Bone Screw Anchors. For use with mice or rats. (50/pkg)
- MF-5182** Machine Screw Bone Anchors. For use with rats. (100/pkg)
- MF-5362** Drill Bits for Bone Screw Anchors (5/pkg)
- MD-1360** Bone Drills for MBR probes and guides. For use with mice or rats. (5/pkg)
- MF-5176** Trephine-style Bone Drills for MBR probes and guides. For use with rats. (3/pkg)
- MF-5371** Rat Animal Collars (100/pkg)
- MD-1365** Mouse Animal Collars (100/pkg)
- MD-1300** Dental Acrylic Cement
- MF-5164** FEP Teflon Tubing, 0.65 mm OD x 0.12 mm ID. 1 meter.
- MD-1510** Flanged Tubing Connectors (20/pkg)
- MD-1201** HoneyComb Dual Cannula Refrigerated Fraction Collector
- MD-1401** Return swivel-free interactive animal containment system - it's great for mice too!
- MD-1403** Return Animal Activity Monitoring Software

