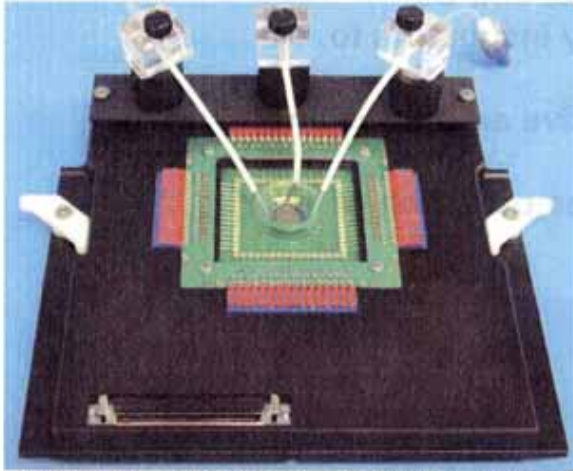


# Multielectrode Array Perfusion Accessories

Multielectrode array recording is a powerful technique for studying electrical activity of populations of cells in cultures or tissue slices. Successful recordings require maintaining close contact between the preparation and array electrodes during perfusion and solution exchange. ALA perfusion accessories insure firm attachment and low-noise, low turbulence fluid flow.



MEA-PPort2 and MSHN-1 on the MCS MEA-1060/2 shown with MMP magnetic mounting plate

## Perfusion Accessories Features:

- \* Ball and socket design allows free movement in all directions
- \* Magnetic base for secure mounting
- \* Easy position alignment
- \* Grounding lug or fine positioner on some tools

## Complete Perfusion Accessory Systems:

**MEA-PPort2:** includes two perfusion port holders, **MPIOH-TD**, and **MMP** steel magnetic mounting plate.

**MEA-PPort3:** includes two perfusion port holders, **MPIOH-TD**, **LeveLock™** sensor holder, **LL-SHOLD**, and steel magnetic mounting plate, **MMP**.

## Component Description



**MMP:** Coated steel magnetic mounting plate for positioning and mounting all magnetic perfusion accessories. For use with any **MCS MEA1060** amplifier.

The following components have a magnetic base for attachment to **MMP** with tilt and swivel control for maximal ease of positioning:



**MPIOH-TD:** Perfusion port holder with flexible Teflon tubing and fine height adjustment. Teflon tubing can be bent into convenient shape for maximal tubing flexibility.



**MSHN-1:** Slice hold down tool with flex tubing, nylon mesh attached to glass-coated steel ring and height adjustment at base of flex tubing.



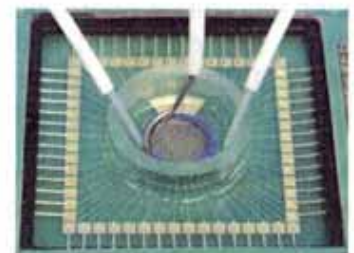
**MP-IOH-S:** Perfusion port holder with stainless steel cannula. Includes grounding lug for maximal noise reduction.



**LL-SHOLD:** Magnetic holder for LeveLock 2 sensor for incorporating LeveLock 2 precision turbulence and fluid level control system into MEA0 system.



**MEA-INSERT:** System for applying minimal volumes of test solutions to preparation on MEA. Polycarbonate insert snugly fits MEA ring and brings perfusion outlets and inlets as close as possible to preparation. Includes fluid overflow dam and holes to facilitate insert removal from array.



Closeup of MSHN-1 with the perfusion inlet/outlet ports



closeup of MEA-INSERT