



MEA INSERT

Installation Instructions

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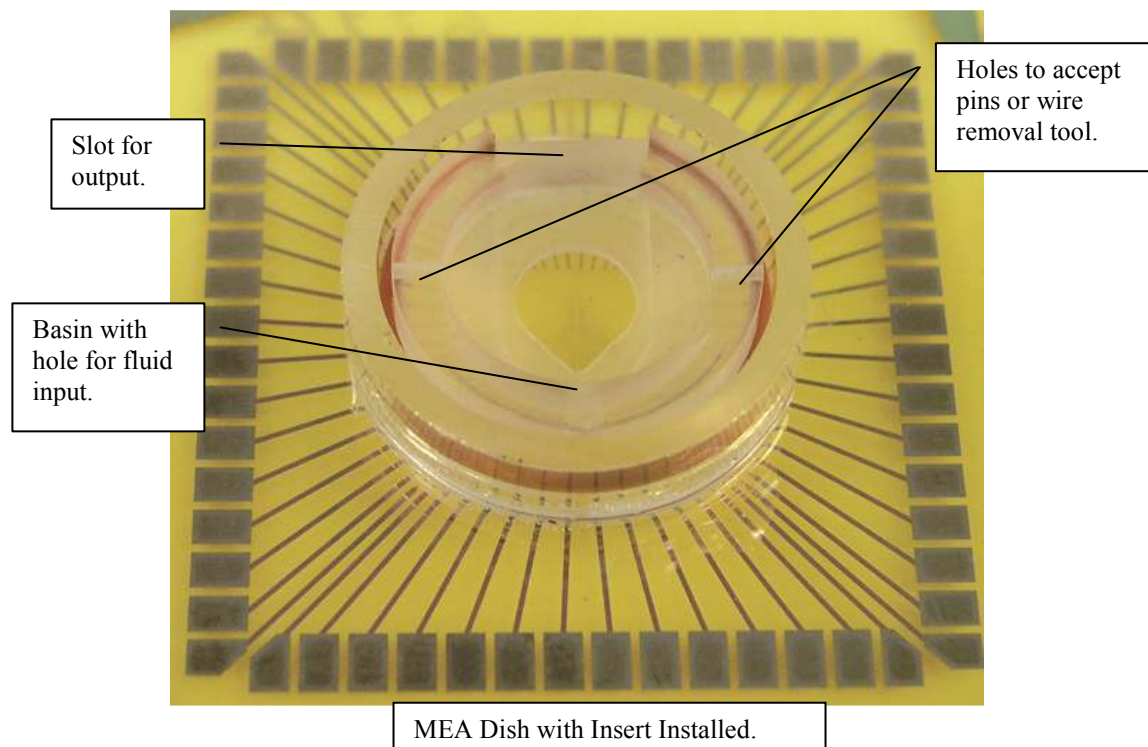
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MEA Insert Installation Instructions

The MEA Insert is designed to fit into the standard 20mm MEA chamber to provide a perfusion channel to the cell culture or slice. It reduces evaporation, reduces chamber volume and directs perfusion flow. At one end there is a basin to receive perfusion liquid. The other end features a slot where a small tube can be inserted to provide suction to remove the solution. The center part is open to allow a light path through the center. A number 12 mini o-ring (tight fit) surrounds the outside to provide holding power for the insert.



To place the insert into the MEA dish, simply align it in the orientation you need, noting which side is your input and output. Push the insert down into the dish until it stops and is level. Be sure the basin side is up since this is the top. To remove the dish, a tool can be used with pins or stiff wire that go into the two holes opposite each other at the mid-point of the top section of the insert. Alternatively, the insert can be pried out using a small tool, such as a small screwdriver, by inserting it at the slot end where the o-ring is not supported and prying the chamber out, slot end first. This should be done in a careful, gentle manner, since a metal tool can chip the sidewall of the MEA dish.

Materials:

O-ring: Silicone #12 x 1mm. Additional o-rings: #11 x 1mm and #10 x 1mm
Insert: Polycarbonate