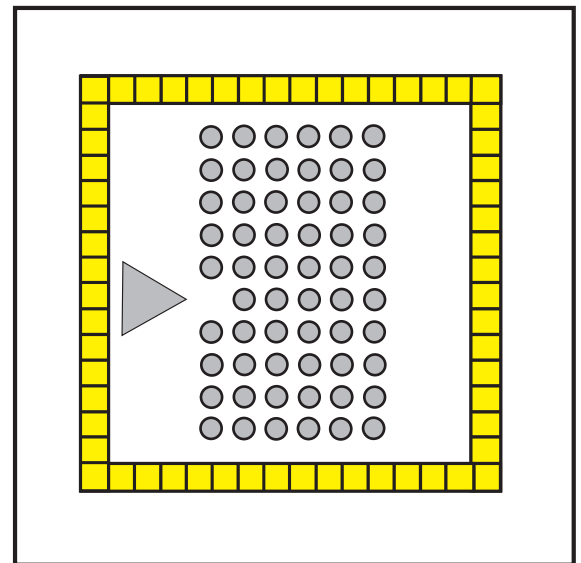


## 60MEA with 6 x 10 Grid

60MEA500/10iR-Ti  
60MEA500/30iR-Ti

### Layout



### Technical Specifications

Temperature compatibility	0 - 125 °C
Dimensions (W x D x H)	49 mm x 49 mm x 1 mm
Base material	Glass
Track material	Ti (Titanium)
Contact pads	TiN (Titanium nitride)
Electrode diameter	10 µm or 30 µm
Interelectrode distance (center to center)	500 µm
Electrode height	Planar
Electrode material	TiN (Titanium nitride)
Isolation material	Silicon nitride 500 nm (PEVCD)
Electrode impedance	< 100 kΩ for 30 µm electrodes 250 - 400 kΩ for 10 µm electrodes
Electrode layout grid	6 x 10
Number of recording electrodes	59
Number of reference electrodes	1 internal reference electrode (iR)
Software	
Multi Channel Experimenter	MEA Configuration
MC_Rack	2 dim. (MEA) or Configuration
Channel map	MEA-500_6 x10.cmp

### Advantages

- The 500 µm interelectrode distance offers space for large slices.
- The signal-to-noise ratio is excellent.

### MEA Perfusion Chamber

- (w/o) Without ring
- (gr) Glass ring ID +/- 19 mm, OD +/- 24 mm, height 6 / 12 mm
- (pr) Plastic ring without thread ID 26.5 mm, OD 30 mm, height 6 / 15 mm
- (pr-T) Plastic ring with thread ID 26 mm, OD 30 mm, height 6 / 15 mm

