

Ayanda Biosystems

Innovative diagnostic and drug discovery tools

MEA60 200 Pt GND

Product type

Multi-electrode array biochip compatible with the MEA60 data acquisition system from Multi Channel Systems MCS GmbH, Reutlingen, germany.

Characteristics

Substrate dimension: 15 mm x 15 mm x 0.7 mm
Substrate material: float glass
Insulation material: SU-8 epoxy, thickness 5 μm
Number of electrodes: 60 (59 recording electrodes and 1 large GND electrode)
Electrode material: platinum
Electrode geometry: planar
Electrode layout: 8 x 8 matrix without corner electrodes
Electrodes dimension: \varnothing 40 μm circular electrodes
Electrode spacing: 200 μm centre to centre
Impedance @ 1 kHz: 500-650 k Ω
Noise level: 20-25 μV , GND < 2 k Ω
Re-use: several times depending on and duration of cultures.
Required accessories: MEA60 Spa-Y1 or MEA60 Spa-Y2

Applications

Organotypic slice cultures and dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

