

Ayanda Biosystems

Innovative diagnostic and drug discovery tools

MEA60 200 3D

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 0.6 mm
Substrate material: float glass
Insulation material: SU-8 epoxy, thickness 5 μm
Number of electrodes: 60
Electrode material: platinum
Electrode geometry: 3D
Electrode height: 50-70 μm
Electrode layout: 8 x 8 matrix without corner electrodes

Electrodes dimension: 40 μm x 40 μm square electrodes

Electrode spacing: 200 μm centre to centre

Impedance @ 1 kHz: 250-450 k Ω

Noise level: 15-20 μV

Re-use: up to 100 times when using acute tissue slices, several times when used for organotypic cultures.

Required accessories: MEA60 Spa-Y1 or MEA60 Spa-Y2

Applications

Acute slice preparations and organotypic slice cultures (brain tissue, spinal cord, retina, etc.)

