

# Ayanda Biosystems

Innovative diagnostic and drug discovery tools

## MEA60 5x13 Au

### 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  $\mu\text{m}$   
Number of electrodes: 60  
Electrode material: gold  
Electrode geometry: planar  
Electrode layout: 5 x 13 matrix  
Electrodes dimension:  $\varnothing$  40  $\mu\text{m}$  circular electrodes  
Electrode spacing: 140  $\mu\text{m}$  and 200  $\mu\text{m}$  centre to centre

Impedance @ 1 kHz: 700-900  $\text{k}\Omega$   
Noise level: 25-30  $\mu\text{V}$   
Re-use: several times depending on type 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.)

