

MEA60-100-30-3D

Product type

Micro-Electrode Array Biochip compatible with the data acquisition systems from Multi Channel Systems MCS GmbH, Reutlingen, Germany.

Characteristics

Substrate dimension: 12mm x 12mm x 0.6mm
Substrate material: Glass
Electrode material: Platinum
Insulation material: SU-8 epoxy, thickness 5 μ m
Working Temperature: 10°C - 70°C

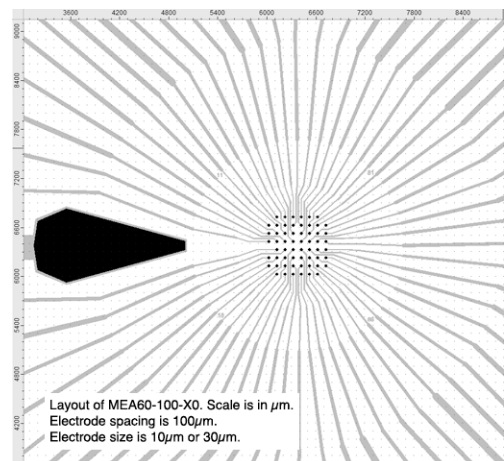
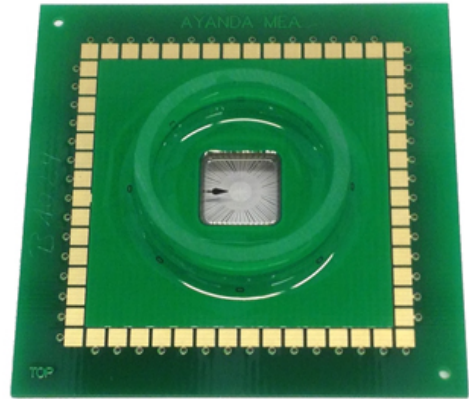
Electrode geometry: 3D tip-shaped
Electrode height: 25-40 μ m

Recording electrodes: 59
Reference electrode: One internal reference (N°15)

Electrode layout: 8x8 matrix
Electrodes dimension: \varnothing 30 μ m
Interelectrode distance: 100 μ m (centre to centre)
Impedance (@1kHz): 500-800k Ω

Culture chamber: Glass ring
External \varnothing 24mm, height 6mm

Required accessory: MEA60-Spacer



Applications

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

Product information is subject to change without notice

© 2020, MicroElectrodeDevices