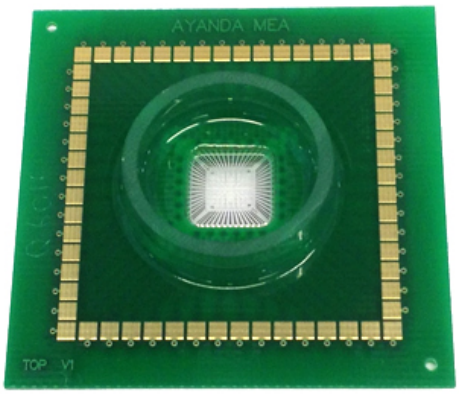
Qwane Biosciences
Innovative drug discovery tools

MEA60-600-80-3D

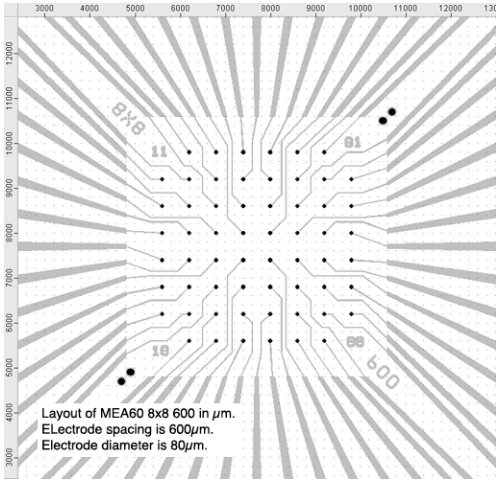
Product type

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



Characteristics

Substrate dimension:	15mm x 15mm x 0.5mm
Substrate material:	Glass
Electrode material:	Platinum
Insulation material:	SU-8 epoxy, thickness 5μm
Working Temperature:	10°C - 70°C
Electrode geometry:	3D tip-shaped
Electrode height:	70-80μm
Recording electrodes:	60
Reference electrode:	External reference to be used
Electrode layout:	8x8 matrix
Electrodes dimension:	Ø80μm
Interelectrode distance:	600μm (centre to centre)
Impedance (@1kHz):	100-200kΩ
Culture chamber:	Glass ring External Ø24mm, height 6mm
Required accessory:	MEA60-Spacer-1 or MEA60-Spacer-2



Layout of MEA60 8x8 600 in μm.
ELectrode spacing is 600μm.
Electrode diameter is 80μm.

Applications

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

Product information is subject to change without notice

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