

***MEA60 Biochips***  
***Product Catalogue***

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# MEA60-100-10-PtBlack

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum black  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

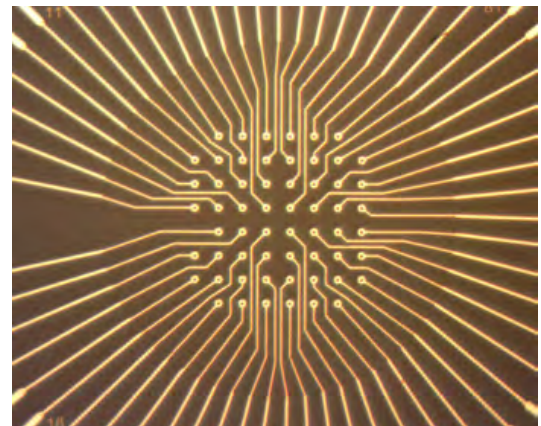
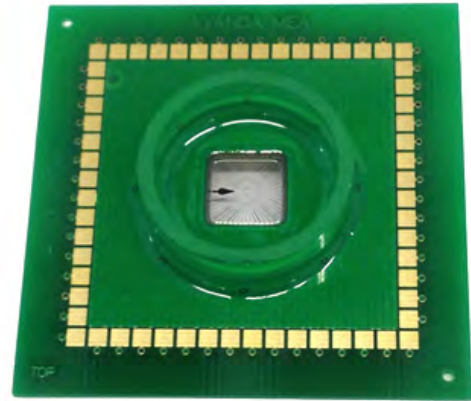
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 10\mu$ m  
Interelectrode distance: 100 $\mu$ m (centre to centre)  
Impedance (@1kHz): 150-200k $\Omega$

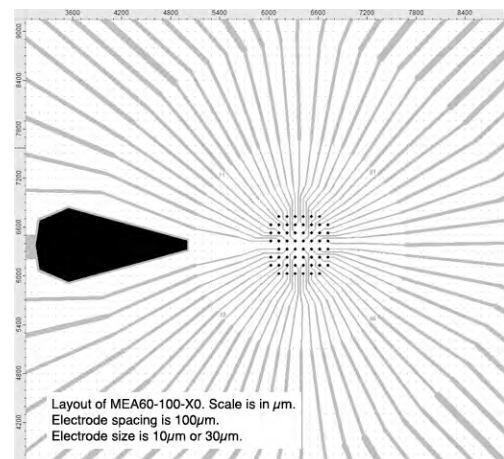
Culture chamber: Glass ring  
External  $\varnothing 24$ mm, height 6mm

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)



Product information is subject to change without notice

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# 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 $\mu$ m  
Working Temperature: 10°C - 70°C

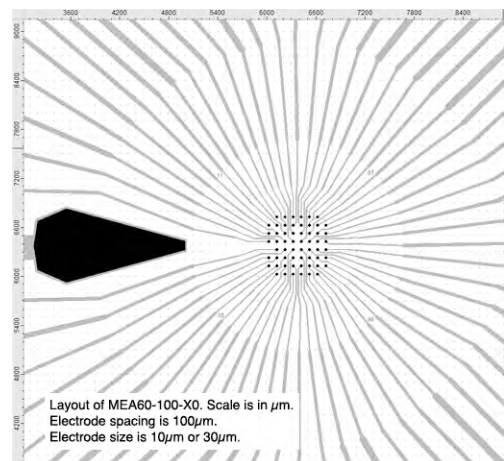
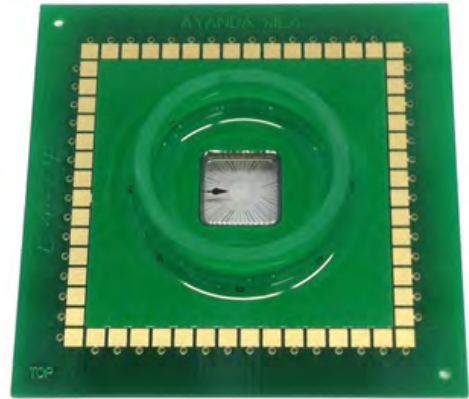
Electrode geometry: 3D tip-shaped  
Electrode height: 25-40 $\mu$ m

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

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

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## 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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# MEA60-100-30-Pt

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

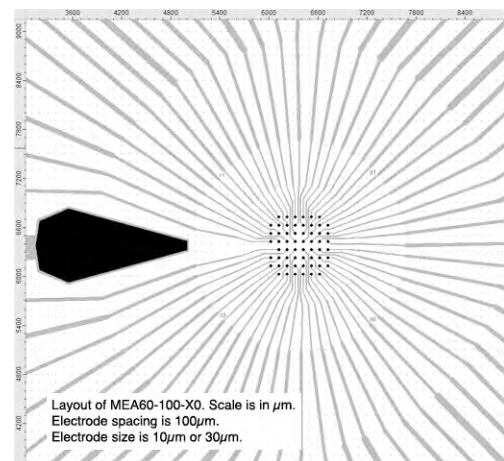
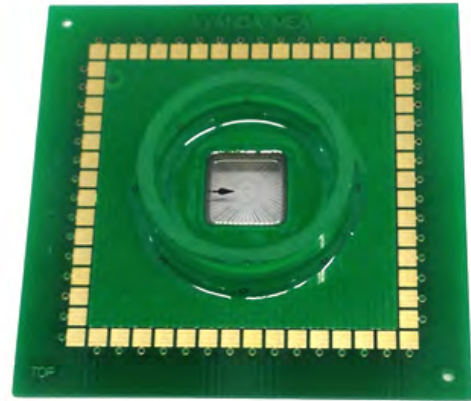
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 30\mu$ m  
Interelectrode distance: 100 $\mu$ m (centre to centre)  
Impedance (@1kHz): 800-1100k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-100-30-PtBlack

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum black  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

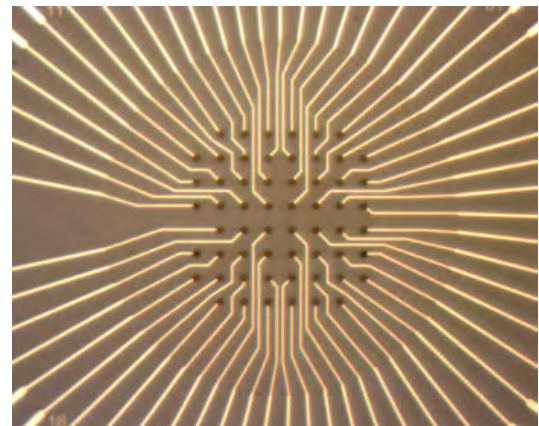
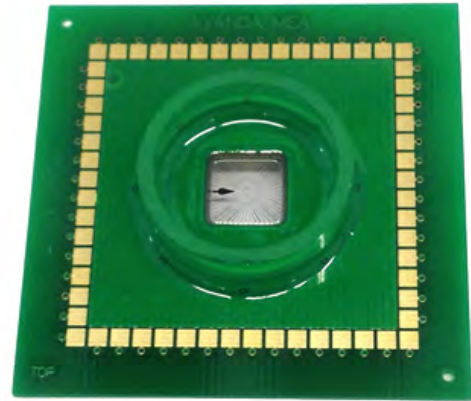
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 30\mu$ m  
Interelectrode distance: 100 $\mu$ m (centre to centre)  
Impedance (@1kHz): 20-30k $\Omega$

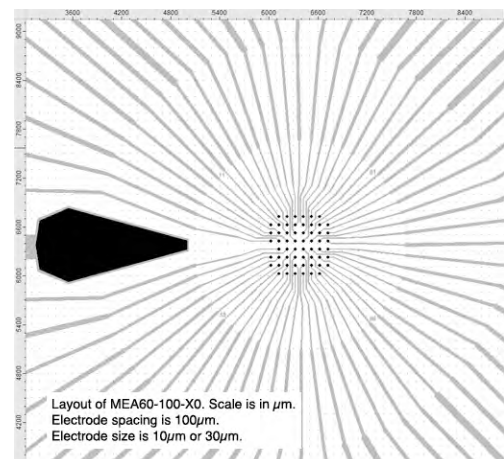
Culture chamber: Glass ring  
External  $\varnothing 24$ mm, height 6mm

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)



Product information is subject to change without notice

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# MEA60-200-10-PtBlack

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum black  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

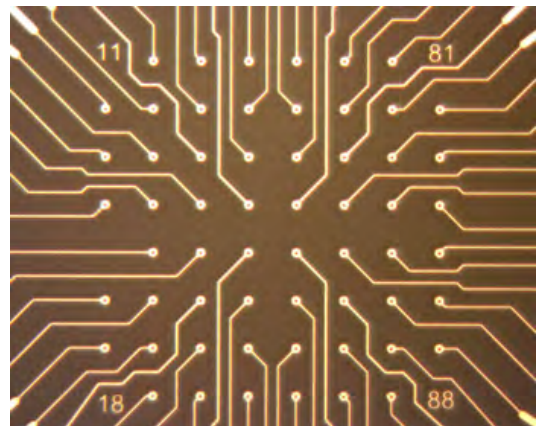
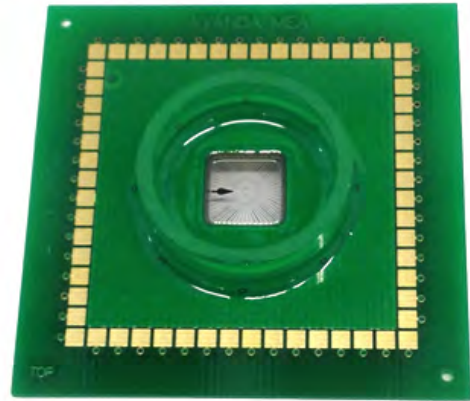
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing$ 10 $\mu$ m  
Interelectrode distance: 200 $\mu$ m (centre to centre)  
Impedance (@1kHz): 150-200k $\Omega$

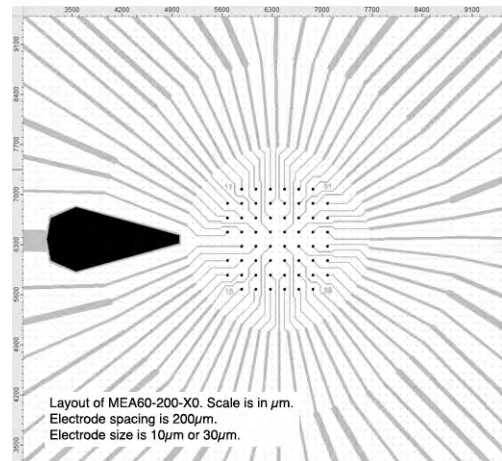
Culture chamber: Glass ring  
External  $\varnothing$ 24mm, height 6mm

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)



Product information is subject to change without notice

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# MEA60-200-30-3D

## 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 0.5mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

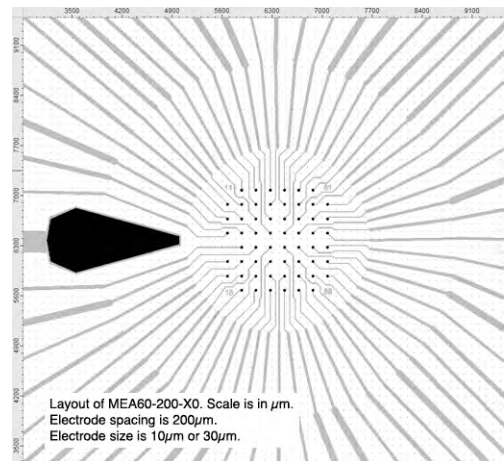
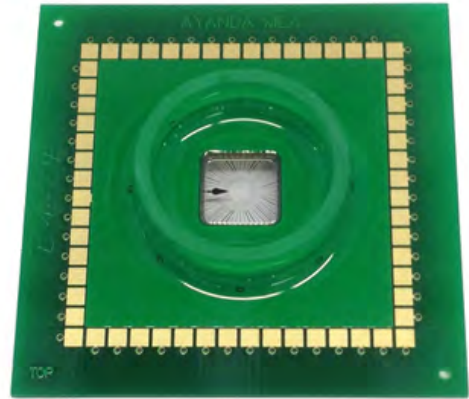
Electrode geometry: 3D tip-shaped  
Electrode height: 50-70 $\mu$ m

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing$ 30 $\mu$ m  
Interelectrode distance: 200 $\mu$ m (centre to centre)  
Impedance (@1kHz): 450-650k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## 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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# MEA60-200-30-ITO-PtBlack

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum black on ITO  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

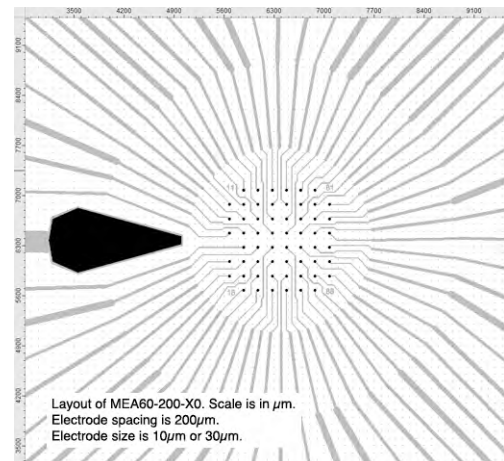
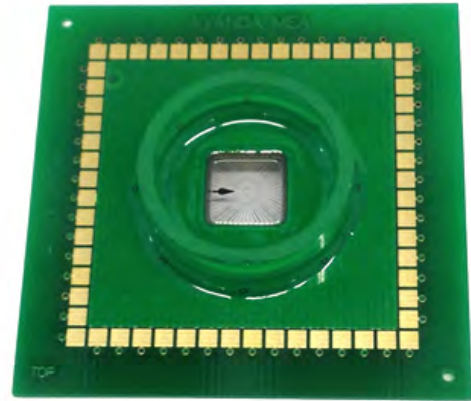
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 30\mu$ m  
Interelectrode distance: 200 $\mu$ m (centre to centre)  
Impedance (@1kHz): 20-30k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-200-30-Pt

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

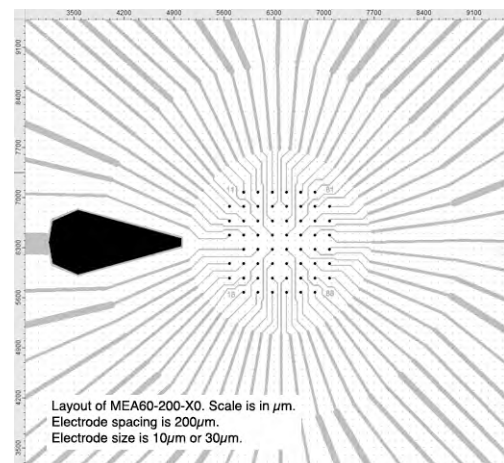
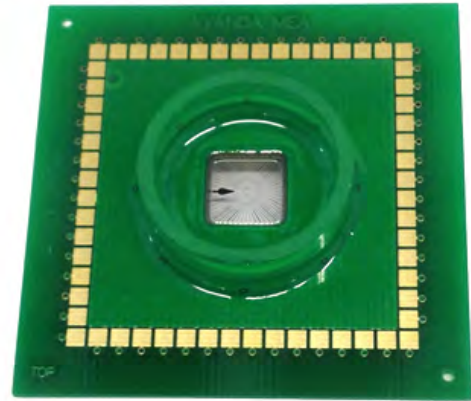
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 30\mu$ m  
Interelectrode distance: 200 $\mu$ m (centre to centre)  
Impedance (@1kHz): 800-1100k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-200-30-PtBlack

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum black  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

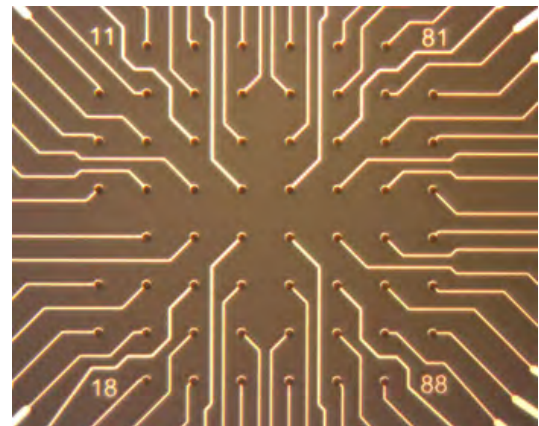
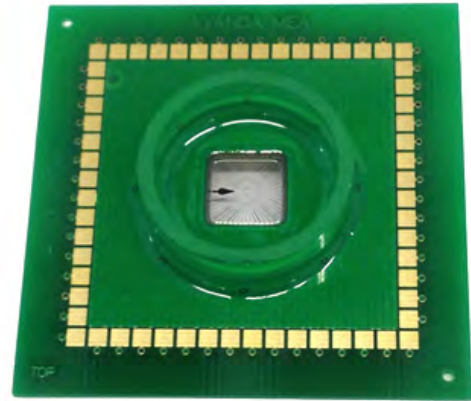
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 30\mu$ m  
Interelectrode distance: 200 $\mu$ m (centre to centre)  
Impedance (@1kHz): 20-30k $\Omega$

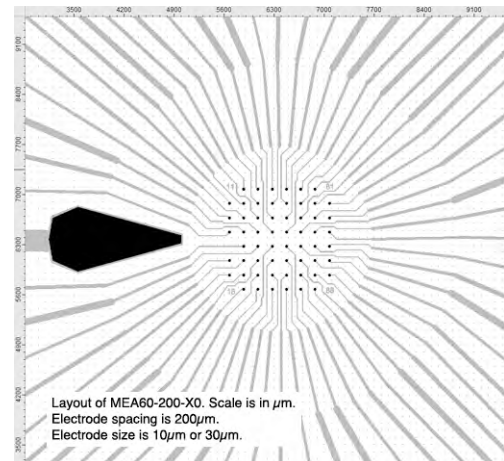
Culture chamber: Glass ring  
External  $\varnothing 24$ mm, height 6mm

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)



Product information is subject to change without notice

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# MEA60-200-50-ITO

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Indium-tin oxide (ITO)  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

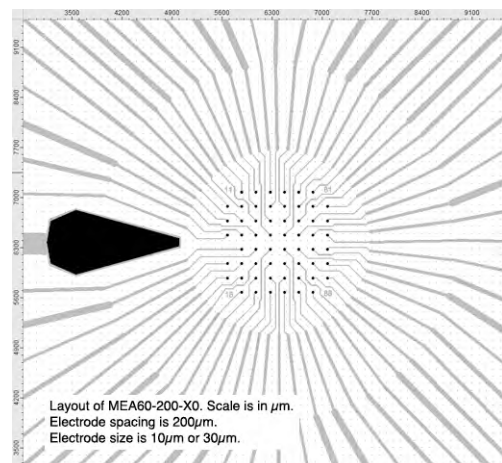
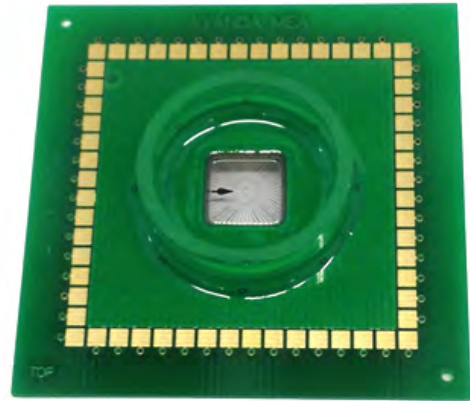
Electrode geometry: Planar

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

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing$ 50 $\mu$ m  
Interelectrode distance: 200 $\mu$ m (centre to centre)  
Impedance (@1kHz): 900-1200k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-400-70

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

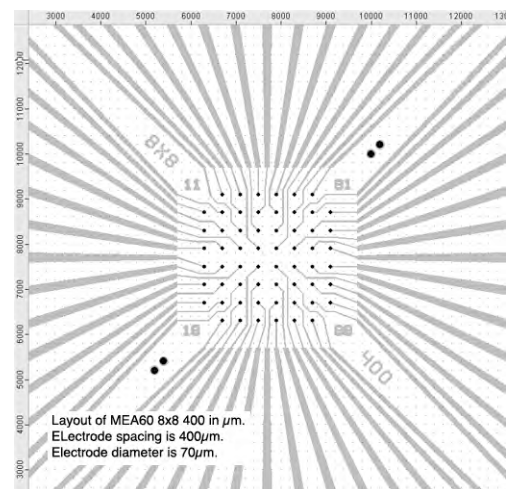
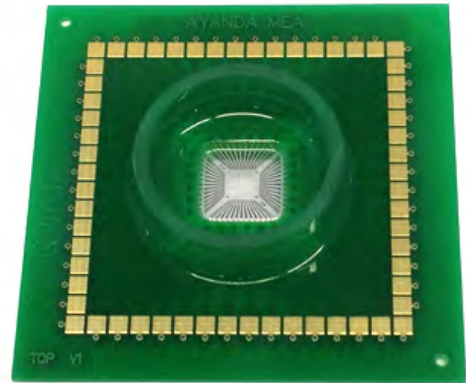
Electrode geometry: Planar

Recording electrodes: 60  
Reference electrode: external reference to be used

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 70\mu$ m  
Interelectrode distance: 400 $\mu$ m (centre to centre)  
Impedance (@1kHz): 250-300k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-400-70-3D

## 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 5 $\mu$ m  
Working Temperature: 10°C - 70°C

Electrode geometry: 3D tip-shaped  
Electrode height: 70-80 $\mu$ m

Recording electrodes: 60  
Reference electrode: External reference to be used

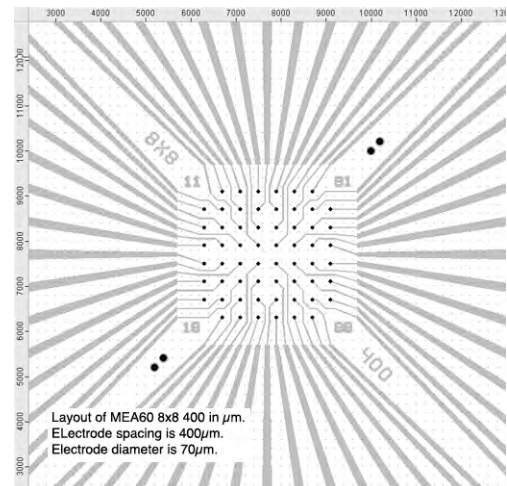
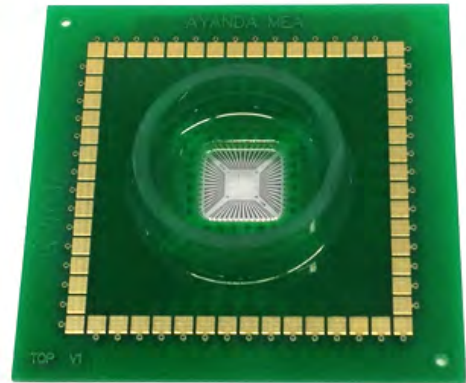
Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing$ 70 $\mu$ m  
Interelectrode distance: 400 $\mu$ m (centre to centre)  
Impedance (@1kHz): 200-300k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2

## 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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# MEA60-500-75

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

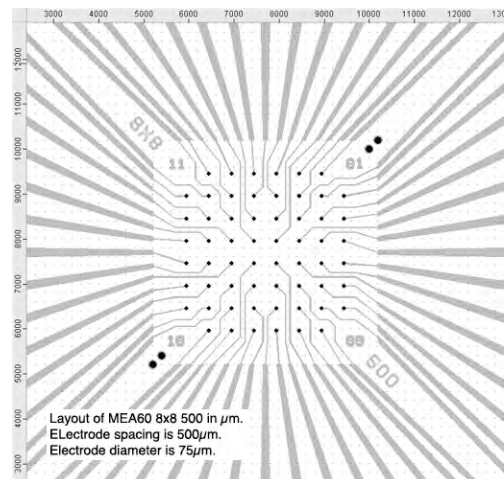
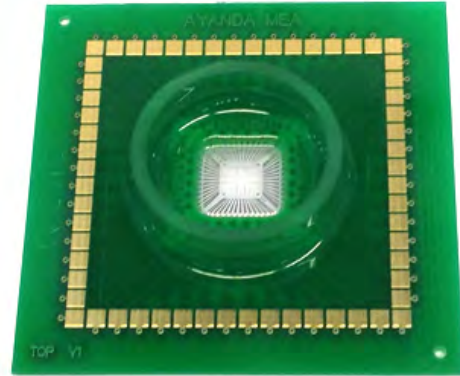
Electrode geometry: Planar

Recording electrodes: 60  
Reference electrode: external reference to be used

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 75\mu$ m  
Interelectrode distance: 500 $\mu$ m (centre to centre)  
Impedance (@1kHz): 230-280k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-500-75-3D

## 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 5 $\mu$ m  
Working Temperature: 10°C - 70°C

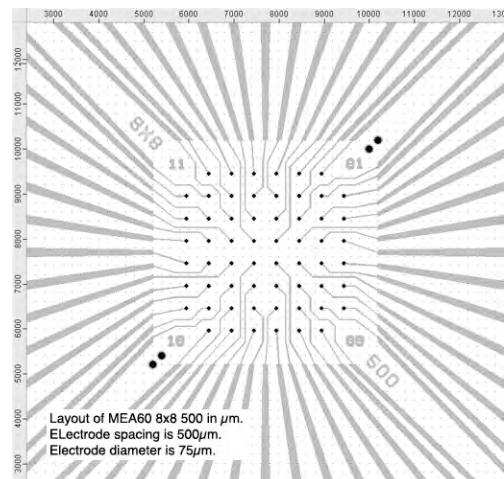
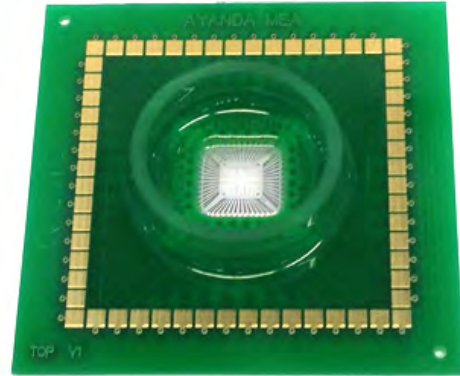
Electrode geometry: 3D tip-shaped  
Electrode height: 70-80 $\mu$ m

Recording electrodes: 60  
Reference electrode: External reference to be used

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing$ 75 $\mu$ m  
Interelectrode distance: 500 $\mu$ m (centre to centre)  
Impedance (@1kHz): 150-250k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## 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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# MEA60-600-80

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

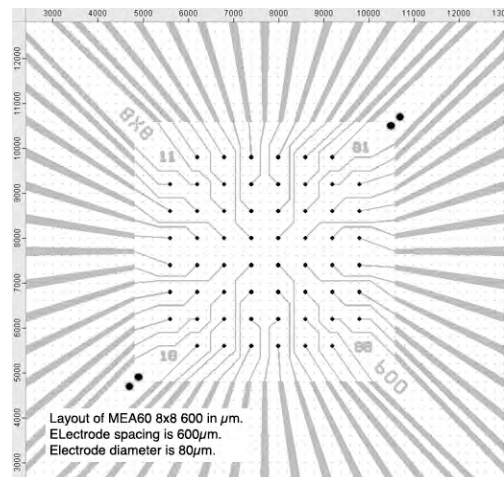
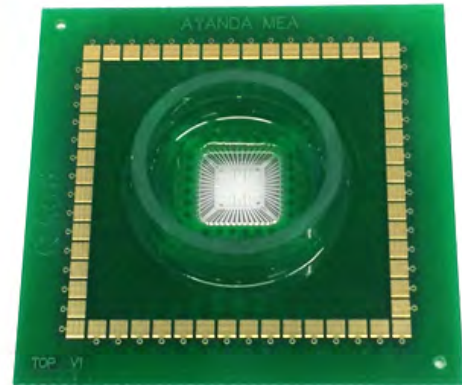
Electrode geometry: Planar

Recording electrodes: 60  
Reference electrode: external reference to be used

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing 80\mu$ m  
Interelectrode distance: 600 $\mu$ m (centre to centre)  
Impedance (@1kHz): 200-250k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# 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 5 $\mu$ m  
Working Temperature: 10°C - 70°C

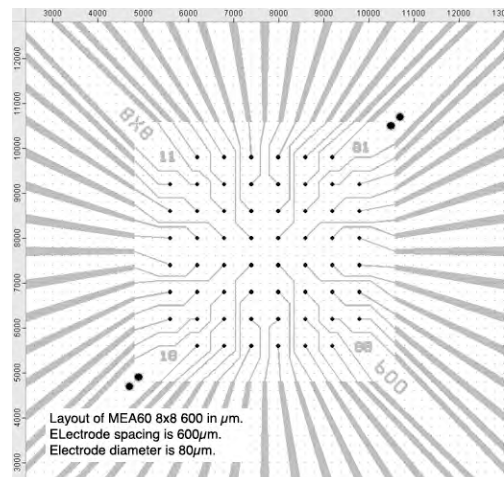
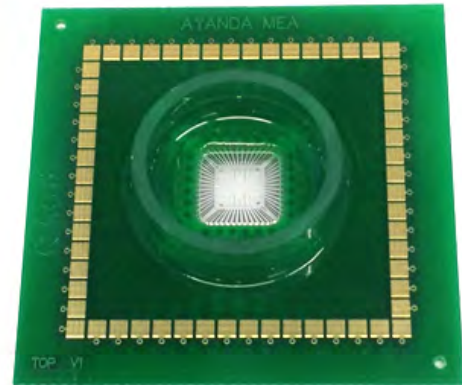
Electrode geometry: 3D tip-shaped  
Electrode height: 70-80 $\mu$ m

Recording electrodes: 60  
Reference electrode: External reference to be used

Electrode layout: 8x8 matrix  
Electrodes dimension:  $\varnothing$ 80 $\mu$ m  
Interelectrode distance: 600 $\mu$ m (centre to centre)  
Impedance (@1kHz): 100-200k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## 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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# MEA60-6x10-400

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

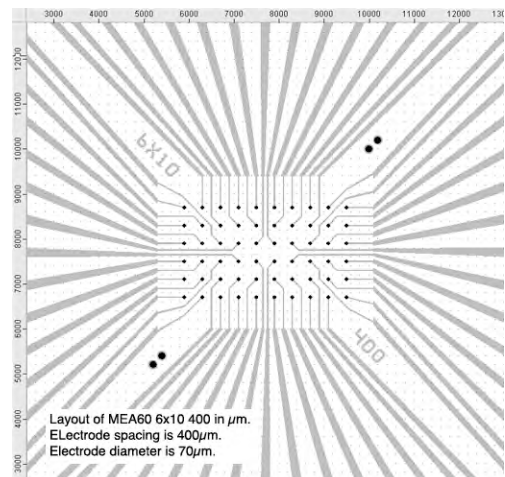
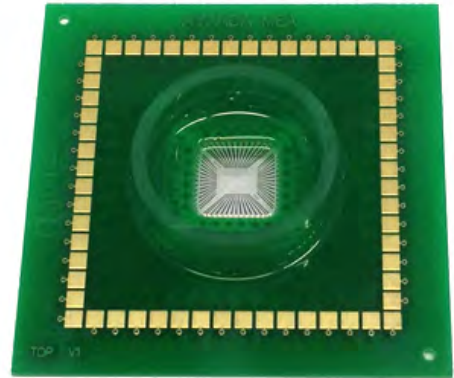
Electrode geometry: Planar

Recording electrodes: 60  
Reference electrode: external reference to be used

Electrode layout: 6x10 matrix  
Electrodes dimension:  $\varnothing 70\mu$ m  
Interelectrode distance: 400 $\mu$ m (centre to centre)  
Impedance (@1kHz): 250-300k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-6x10-400-3D

## 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 5 $\mu$ m  
Working Temperature: 10°C - 70°C

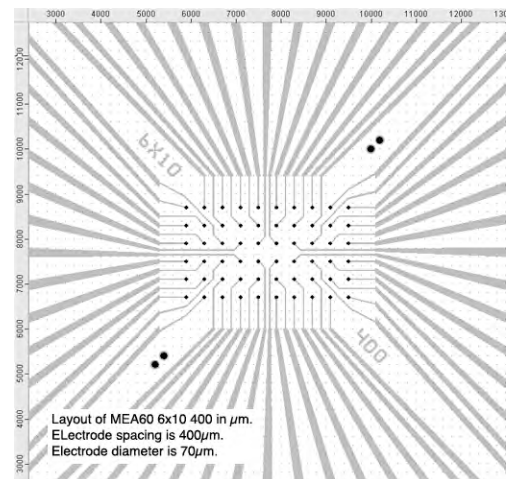
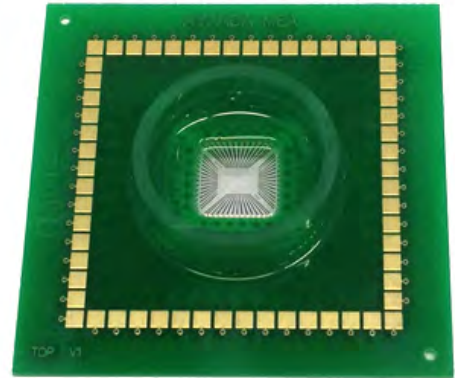
Electrode geometry: 3D tip-shaped  
Electrode height: 70-80 $\mu$ m

Recording electrodes: 60  
Reference electrode: External reference to be used

Electrode layout: 6x10 matrix  
Electrodes dimension:  $\varnothing$ 70 $\mu$ m  
Interelectrode distance: 400 $\mu$ m (centre to centre)  
Impedance (@1kHz): 200-300k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## 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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# MEA60-6x10-500

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

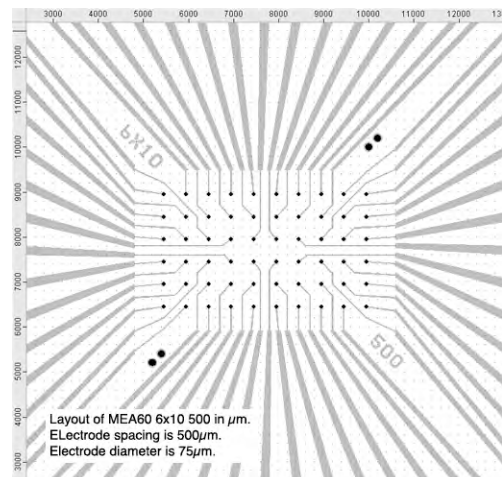
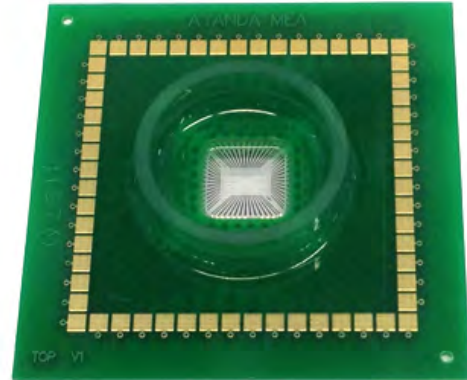
Electrode geometry: Planar

Recording electrodes: 60  
Reference electrode: external reference to be used

Electrode layout: 6x10 matrix  
Electrodes dimension:  $\varnothing 75\mu$ m  
Interelectrode distance: 500 $\mu$ m (centre to centre)  
Impedance (@1kHz): 230-280k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-6x10-500-3D

## 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 5 $\mu$ m  
Working Temperature: 10°C - 70°C

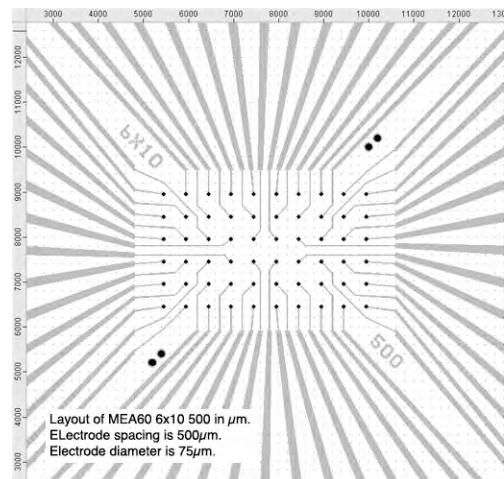
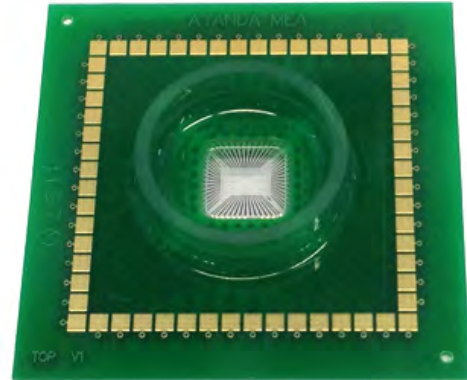
Electrode geometry: 3D tip-shaped  
Electrode height: 70-80 $\mu$ m

Recording electrodes: 60  
Reference electrode: External reference to be used

Electrode layout: 6x10 matrix  
Electrodes dimension:  $\varnothing$ 75 $\mu$ m  
Interelectrode distance: 500 $\mu$ m (centre to centre)  
Impedance (@1kHz): 150-250k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## 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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# MEA60-6x10-600

## 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 0.7mm  
Substrate material: Glass  
Electrode material: Platinum  
Insulation material: SU-8 epoxy, thickness 5 $\mu$ m  
Working Temperature: 10°C - 70°C

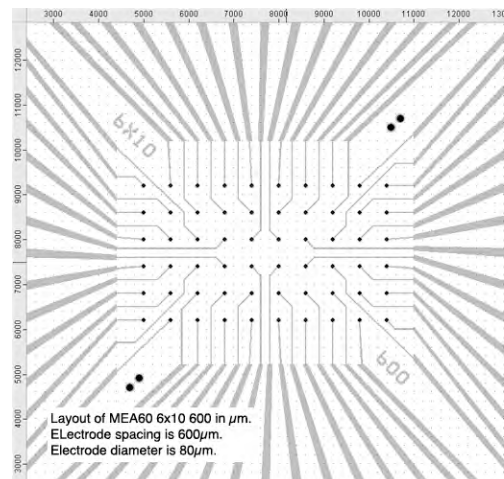
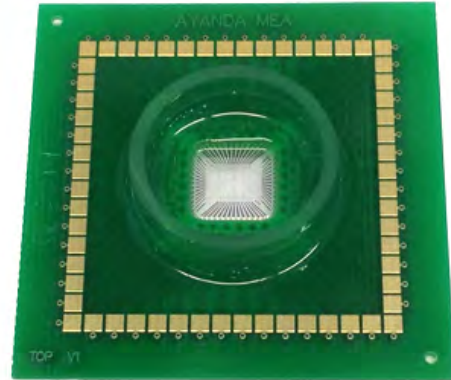
Electrode geometry: Planar

Recording electrodes: 60  
Reference electrode: external reference to be used

Electrode layout: 6x10 matrix  
Electrodes dimension:  $\varnothing 80\mu$ m  
Interelectrode distance: 600 $\mu$ m (centre to centre)  
Impedance (@1kHz): 200-250k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## Applications

Dissociated cell cultures (brain tissue, spinal cord, retina, heart muscle cells, etc.)

Product information is subject to change without notice

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# MEA60-6x10-600-3D

## 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 5 $\mu$ m  
Working Temperature: 10°C - 70°C

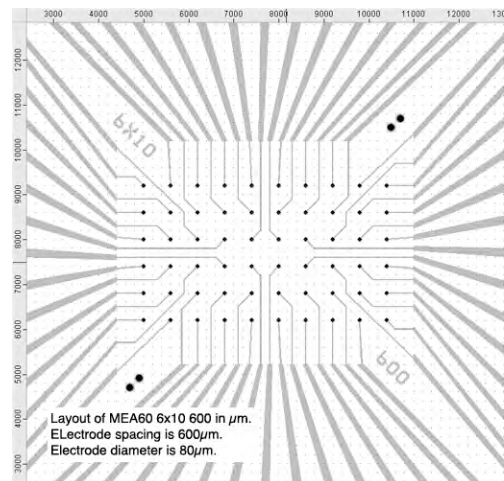
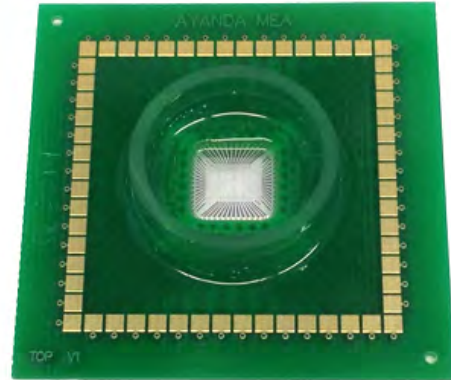
Electrode geometry: 3D tip-shaped  
Electrode height: 70-80 $\mu$ m

Recording electrodes: 60  
Reference electrode: External reference to be used

Electrode layout: 6x10 matrix  
Electrodes dimension:  $\varnothing$ 80 $\mu$ m  
Interelectrode distance: 600 $\mu$ m (centre to centre)  
Impedance (@1kHz): 100-200k $\Omega$

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

Required accessory: MEA60-Spacer-1 or  
MEA60-Spacer-2



## 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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