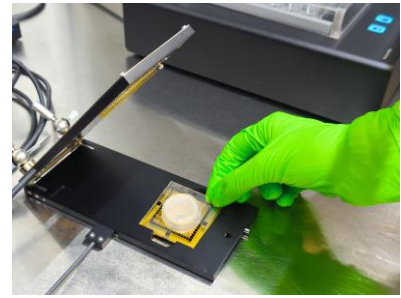


**Manufacturer**  
Multichannel Systems

**Model**  
MEA2100



## MULTIWELL MEA SYSTEM

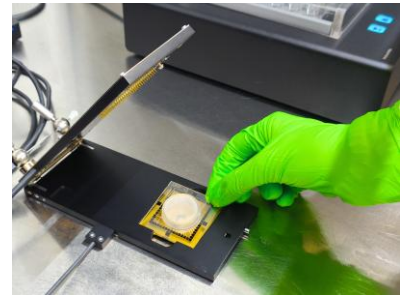


The **MEA-Systems (Micro-Electrode-Array)** is a miniaturized system designed to record, amplify, and analyze electrical signals from biological samples *in vitro*.

### Applications:

- Stem cell and organoid research
- Drug discovery and development
- *In vitro* disease models
- Neuronal networks & synaptic connectivity
- Neuropharmacology
- Cardiac electrophysiology
- Epilepsy research
- Neurotoxicology

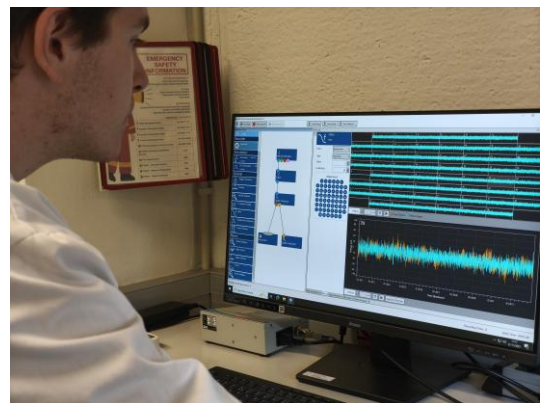




## MULTIWELL MEA SYSTEM

### Technical specifications:

- **Individual MEA arrays.**
  - Suitable for use in incubator.
  - Supports 60- or 120- MEA electrodes.
  - Different MEA designs available.
  - High-speed data transfer with sampling rate up to 50 kHz per channel.
  - Integrated stimulation and heating temperature
  - High data resolution: 24 bits.
  - Adjustable filter band.
  - Software “Multi Channel Suite”
- **Multiwell-MEA-System**
  - Recordings from 24- or 96-wells and 288 electrodes.
  - Well plates with transparent glass base or opaque with gold electrodes.
  - Up to 50 kHz sampling rate per channel.
  - Integrated stimulation and heating temperature.
  - Software “Multiwell-screen” specialized on screening experiments.
- **Perfusion module:**
  - Temperature controller, adjustable from ambient temperature to +30 to 60 °C.
  - Peristaltic perfusion system with one inlet and one drainage pump, flow rate: 0-30 ml/min.



### Equipment financed by:

