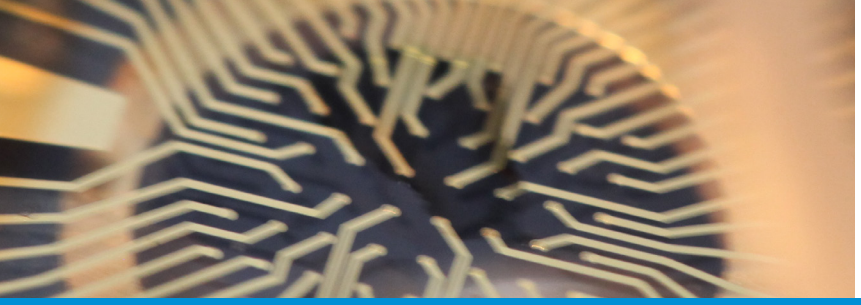


NMI TT Pharmaservices

MEA-based Test Systems

In addition to classical electrophysiological methodology we are offering ex vivo test systems based on Microelectrode Array (MEA) recordings in order to analyse complex drug effects on ion channel interactions and cell signalling in

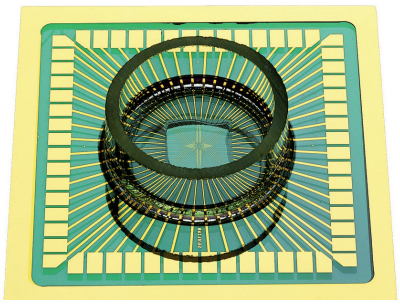
- cellular networks including hIP stem-cell derived approaches
- tissue slices
- isolated organs

With our more than 20 years expertise in the production of MEAs we are experts in the development and application of MEA-based drug screening approaches.

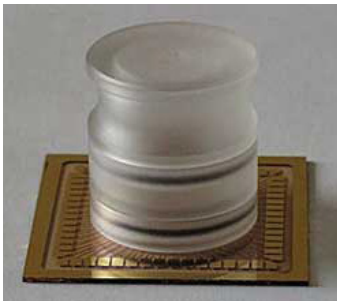
Multiwell Cardiac Screen:
to test for drug effects on cardiac function, including QT-interval cardiomyocytes cells or various animal models

Beta-cell Screen:
to test for drug effects on beta cell function in intact islets of Langerhans

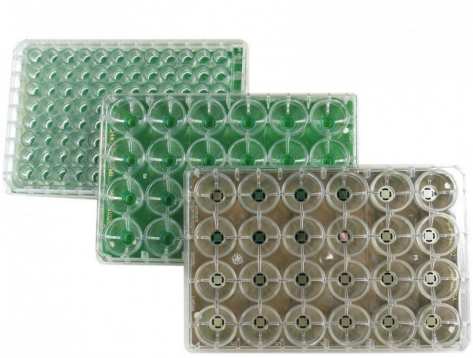
Pain Screen:
to test for drug effects on pain pathways



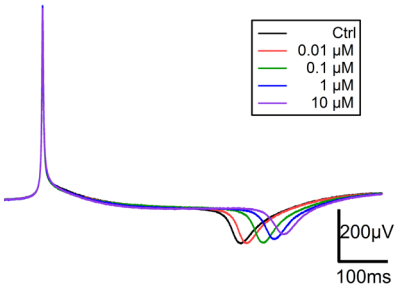
MEA chip with superfusion chamber for acute experiments

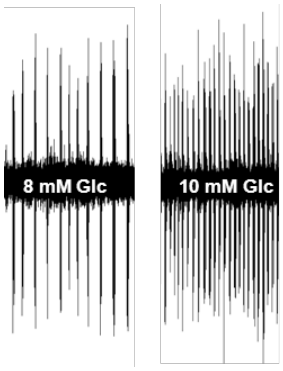


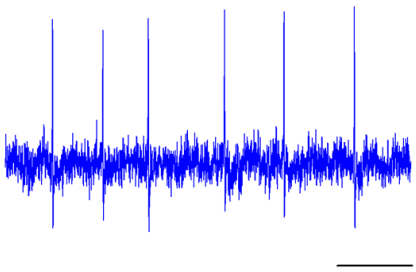
MEA chip with culture chamber for long-term recordings



Multiwell-MEA
(from MCS Reutlingen)







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