

# Laser-Induced Action Potential-Like Measurements of Cardiomyocytes on Microelectrode Arrays for Increased Predictivity of Safety Pharmacology

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## Materials

Name	Company	Catalog Number	Comments
1 well MEA chip	Multi Channel Systems MCS GmbH	890301	
6 well MEA chip	Multi Channel Systems MCS GmbH	7600069	
DMSO	Merck KGaA	20-139 Sigma-Aldrich	solvent for drugs
Dofetilide	ALOMONE LABS ISRAEL HEADQUARTERS	D-100	Drug-Measurement
dPBS	Fisher Scientific GmbH	12037539	Coating
E4031	ALOMONE LABS ISRAEL HEADQUARTERS	E-500	Drug-Measurement
Falcon	Fisher Scientific GmbH	10788561	
FB Alps version 0.5.005	Foresee Biosystems		
Fibronectin	Merck KGaA	11051407001	Coating
iCell cardiomyocytes	FUJIFILM Cellular Dynamics, Inc. (FCDI)	C1016	
IntraCell	Foresee Biosystems		
Isopropanol	Carl Roth GmbH + Co. KG	CN09.1	For cleaning of MEA contact pads
Maintenance Medium	FUJIFILM Cellular Dynamics, Inc. (FCDI)	#M1003	For cell-culture
MC_Data Tool	Multi Channel Systems MCS GmbH		Data export
MC_Rack	Multi Channel Systems MCS GmbH		MEA recording
MEA 2100 - 2x60 - system	Multi Channel Systems MCS GmbH	890485	For MEA-recordings
Nifedipine	Merck KGaA	N7634 Sigma-Aldrich	Drug-Measurement
Plating Medium	FUJIFILM Cellular Dynamics, Inc. (FCDI)	M1001	For cell-culture
Tergazyme	VWR International, LLC	1304-1	cleaning of MEAs