

Materials List for:

Cell Electrofusion Visualized with Fluorescence Microscopy

Katja Trontelj¹, Marko Ušaj¹, Damijan Miklavčič¹

¹Faculty of Electrical Engineering, University of Ljubljana

Correspondence to: Damijan Miklavčič at damijan.miklavcic@fe.uni-lj.si

URL: <https://www.jove.com/video/1991>

DOI: [doi:10.3791/1991](https://doi.org/10.3791/1991)

Materials

Name	Type	Company	Catalog Number	Comments
CMRA	Reagent	Invitrogen	C34551	Cytosolic fluorescent dye
CMFDA	Reagent	Invitrogen	C7025	Cytosolic fluorescent dye
DMSO	Reagent	Sigma-Aldrich	D2650	
DMEM	Reagent	Sigma-Aldrich	D5671	Dulbecco's modified Eagle's medium
Fetal calf serum	Reagent	Sigma-Aldrich	F4135	
L-glutamine	Reagent	Sigma-Aldrich	G7513	
crystacillin	Reagent	Pliva	625110	antibiotic
gentamicin	Reagent	Sigma-Aldrich	G1397	antibiotic
Hepes	Reagent	Sigma-Aldrich	H0887	
KH ₂ PO ₄	Reagent	Merck & Co., Inc.	A124873 927	
KH ₂ PO ₄	Reagent	Sigma-Aldrich	4248	
MgCl ₂	Reagent	Sigma-Aldrich	M-8266	
NaCl	Reagent	Fluka	71382	
KCl	Reagent	Merck & Co., Inc.	A154336 908	
MgSO ₄	Reagent	Sigma-Aldrich	M2643	
D-glucose	Reagent	Sigma-Aldrich	G8270	
CaCl ₂	Reagent	Sigma-Aldrich	C4901	
sucrose	Reagent	Sigma-Aldrich	16104	
Electric pulse generator	Tool	IGEA		Cliniporator VITAE
Multiwell plate	Tool	Techno Plastic Products	92424	
50 ml centrifuge tube	Tool	Techno Plastic Products	91050	
15 ml centrifuge tube	Tool	Techno Plastic Products	91015	
25 cm ² culture flask	Tool	Techno Plastic Products	90026	
Electrodes	Tool	Custom Made		Pt/Ir