

Materials List for:

Electrotaxis Studies of Lung Cancer Cells using a Multichannel Dual-electric-field Microfluidic Chip

Hsien-San Hou¹, Hui-Fang Chang¹, Ji-Yen Cheng^{1,2,3,4,5}

¹Research Center for Applied Sciences, Academia Sinica

²Institute of Biophotonics, National Yang-Ming University

³Biophotonics & Molecular Imaging Research Center (BMIRC), National Yang-Ming University

⁴Department of Mechanical and Mechatronic Engineering, National Taiwan Ocean University

⁵Ph.D. Program in Microbial Genomics, National Chung Hsing University

Correspondence to: Ji-Yen Cheng at jycheng@gate.sinica.edu.tw

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Materials

Name	Company	Catalog Number	Comments
Reagent			
DMEM medium	Gibco,Invitrogen, USA	12800-017	
Fetal Bovine Serum	Gibco,Invitrogen, USA	16000-044	
Trypsin	Gibco,Invitrogen, USA	25200-072	
PBS	Basic Life	BL2651	
Y-27632 (hydrochloride)	Cayman Chemical Co	10005583	
agarose	LONZO, USA	SeaKem LE AGAROSE	
syringe	Terumo	3 ml with Luer taper	
3-way stopcock	Nipro	with Luer taper	
PMMA (acrylic)	HiShiRon Industries CO., Ltd, Taiwan		thickness 1mm, 2mm
acrylic adaptor	KuanMin Technology Co., Ltd, Taichung, Taiwan	1/4-28 port, 10x10x6 mm	customized
nut	Thermo Fisher Scientific Inc.	UPCHURCH:P-206x, P-200x, F120x, P-659, P-315x	
Microscope cover glass	Deckgläser, Germany	24x60 mm	
double-sided tape	3M	PET 8018	
super glue	3M	Scotch Liquid Plus Super Glue	
TFD4 detergent	Franklab, France	TFD4	
ultrasonic steri cleaner	LEO ULTRASONIC CO., LTD., Taiwan		
Thermo bonder	KuanMin Technology Co., Ltd, Taichung, Taiwan	customized	
CO2 laser scribe	LTT group, Taiwan	ISL-II	
proportional-integral-derivative (PID) controller	JETEC Electronics Co., Japan	TTM-J40-R-AB,	
K-type thermocouple	TECPEL	TPK-02A	
4-channel syringe pump	KdScientific, USA	250P	
DC power supply	GWInstek, Taiwan		
X-Y-Z motor stage	TanLian, E-O Co. Ltd., Taiwan	customized	
inverted microscope	Olympus, Japan	CKX41	
digital SLR camera	Canon, Japan	60D	