

Materials List for

Flexible Organic Electronic Devices for Pulsed Electric Field Therapy of Glioblastoma

Marie

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Materials

Name	Company	Catalog Number	Comments
(3-Glycidyloxypropyl)trimethoxysilane	Sigma	440167	GOPS
0.25% Trypsin-EDTA (1X)	Gibco	25200-056	
4-Dodecylbenzenesulfonic acid	Sigma	44198	DBSA
96-well plate	Falcon	353075	
Acetone	Technic	530	
Acrylic resin	Fischer scientific	NC1455685	
agarose	Sigma	A9539	
autoclave	Tuttnauer	3150 EL	
AZ 10XT	Microchemicals		Positive photoresist
AZ 826 MIF Developer	Merck	10056124960	Metal-ion-free developer for the negative photoresist
AZ Developer	Merck	10054224960	Metal-ion-free developer for the positive photoresist
AZ nLof 2070	Microchemicals		Negative photoresist
Buprenorphine	Axience		
Carprofen	Rimadyl		
Centrifuge Sorvall Legend X1R	Thermo Scientific	75004260	
CMOS camera Prime 95B	Photometrics		
CO2 incubator HERAccl 150i	Thermo scientific		
DAC board	National Instruments	USB 6259	
Déco spray Pébéo	Cultura	3167860937307	Black acrylic paint
Dextran Texas Red 70.000	Thermofisher	D1830	
Die bonding paste "Epinal"	Hitachi	EN-4900GC	Silver paste
Dimethyl sulfoxide	Sigma	D2438	
Dispensing machine	Tianhao	TH-2004C	

Dulbecco's Modified Eagle's Medium + GlutaMAX™-I	Gibco	10567-014	
Dulbecco's Modified Eagle's Medium	Sigma	D6429	
Egg incubator COUVAD'OR 160	lafermedemanon.com		
Ethylene glycol	Carl Roth	6881.1	
Fertilized eggs of Japanese quail	Japocaille		
Fetal Bovine Serum	VWR	S181BH	
Flask	Greiner	658170	
Fluorescence microscope	Leica MZFLIII		
GI261	DSMZ	ACC 802	
Gold pellets - Dia 3 mm x 6 mm th	Neyco		
Handheld automated cell counter	Millipore	PHCC00000	
Heating and drying oven	Memmert	UF110	
Hexadimethrine Bromide Sequabrene	Sigma	S2667	
hot plate Delta 6 HP 350	Süss Microtec		
Illumination system pE-4000	CoolLed		
Infrared tunable femtosecond laser (Mai-Tai)	Spectra Physics (USA)		
Ionomycin calcium salt	Sigma	I3909	
Kapton tape SCOTCH 92 33x19	3M		Polyimide protection tape
Lab made pulse generator			
Labcoter 2 Parylene Deposition system PDS 2010	SCS		
Lenti-X 293 T cell line	Takara Bio	63218	HEK 293T-derived cell line optimized for lentivirus production
Lenti-X GoStix Plus	Takara Bio	631280	Quantitative lentiviral titer test
Mask aligner MJB4	Süss Microtec		
Micro-90 Concentrated cleaning solution	International Products	M9050-12	
Microscope slides 76 x 52 x 1 mm	Marienfeld	1100420	
Needles 30G	BD Microlance 3	304000	
PalmSens4 potentiostat	PalmSens		
parylene-c : dichloro-p-cyclophane	SCS	300073	
PCB Processing Tanks	Mega Electronics	PA104	
PEDOT:PSS Clevios PH 1000	Heraeus		
penicillin / streptomycin	Gibco	15140-122	
Petri dish	Falcon	351029	
pGP-CMV-GCaMP6f	Addgene	40755	plasmid
Phosphate Buffer Saline solution	Thermofisher	D8537	
Plasma treatment system PE-100	Plasma Etch		
PlasmaLab 80 Reactive Ion Etcher	Oxford Instruments		
Plastic mask	Selba		
Plastic weigh boat 64 x 51 x 19 mm	VWR	10770-454	
Poly-dimethylsiloxane: SYLGARD 184 Silicone Elastomer Kit	Dow chemicals	1673921	
Polyimide copper film 60 µm (Kapton)	Goodfellow	IM301522	
Propan-2-ol	Technic	574	
Protolaser S	LPKF		

puromycin	Gibco	A11103	
Round cover glass 5 mm diameter	Fischer scientific	50-949-439	
Scepter Sensors - 60 µm	Millipore	PHCC60050	
Silicone adhesive Kwik-Sil	World Precision Instruments		
spin coater	Süss Microtec		
Spin Coater	Laurell	WS-650	
Super glue	Office depot		
tetracycline-free foetal bovine Serum	Takara Bio	631105	
Thermal evaporator Auto 500	Boc Edwards		
Two-photon microscope	Zeiss LSM 7MP		
U87-MG	ATCC	HTB-14	Human glioblastoma cells
Ultrasonic cleaner	VWR		
Vortex VTX-3000L	LMS	VTX100323410	
Xfect single shots reagent	Takara Bio	631447	Transfection reagent