

Materials List for:

Intraventricular Transplantation of Engineered Neuronal Precursors for In Vivo Neuroarchitecture Studies

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Materials

Name	Company	Catalog Number	Comments
0.3 mL syringe	BD	320840	store at RT
0.45 µm sterile filter	Millex-HV	SLHU033RS	store at RT
12 multiwell plate	Falcon	353043	store at RT
1X PBS	Gibco	14190-094	store at RT
24 multiwell plate	Falcon	351147	store at RT
anti-EGFP antibody, chicken polyclonal, RRID:AB_371416	Tebubio	GTX13970	store at -20 °C
anti-RFP antibody, rat monoclonal, RRID:AB_10795839	Antibodies Online	ABIN334653	store at -20 °C
anti-Tubb3 antibody, mouse monoclonal, RRID:AB_2313773	Covance	MMS-435P	store at -20 °C
Aspirator tube assemblies kit for calibrated microcapillary pipettes	Sigma	A5177-5EA	store at RT
Blue light lamp	Nightsea	BLS2	store at RT
Borosilicate capillaries	Kwik-Fil	TW150-4	store at RT
BSA	Sigma	A9647	store at -20 °C
Bürker chamber	Sigma	BR719520	0.0025 mm ² , 0.100 mm
Cryo-inclusion medium (Killik)	Bio-Optica	05-9801	store at RT
DAPI	Sigma	D9542	store at -20 °C
Disposable embedding mold	Bio-Optica	07MP7070	store at RT
DMEM/F-12	Gibco	31331-028	store at +4 °C
Dnase I	Roche	10104159001	store at -20 °C
Doxycycline	Sigma	D1822	store at -20 °C
Dumont forceps #3c	Fine Science Tools	11231-20	store at RT
Dumont forceps #5	Fine Science Tools	11251-20	store at RT
EGF	Gibco	PHG0311	store at -20 °C
EGTA	Sigma	E3889	store at RT
FGF	Gibco	PHG0261	store at -20 °C
Fine scissors - Sharp	Fine Science Tools	14060-09	store at RT
Fungizone (Amphotericin B)	Gibco	15290018	store at -20 °C
Glucose	Sigma	G8270	store at RT
GlutaMAX Supplement	Gibco	35050061	store at RT
Goat anti-chicken Alexa 488	Invitrogen	A11039	store at -20 °C
Goat anti-rat Alexa 594	Invitrogen	A11007	store at -20 °C
Heparin Solution	Stem Cell Technologies	07980	store at -20 °C

N2 Supplement	Gibco	17502048	store at -20 °C
Optical fibers	Leica	CLS150X	
P1000 puller	Sutter Instruments	P-1000 model	
Parafilm	Bemis	PM-996	store at RT
Pen Strep	Sigma	P0781	store at -20 °C
Petri dish	Falcon	353003	store at RT
PFA	Sigma	158127	store at RT
Plasmid #363 [LV_TREt_(IRES)PLAP]	built <i>in house</i>		store at -20 °C
Plasmid #386 [LV_pTa1_mCherry]	built <i>in house</i>		store at -20 °C
Plasmid #401 [LV_pTa1_rtTA(M2)]	built <i>in house</i>		store at -20 °C
Plasmid #408 [LV_Ppgk1p_rtTA(M2)]	built <i>in house</i>		store at -20 °C
Plasmid #484 [LV_lacZ]	Addgene	12108	store at -20 °C
Plasmid #529 [LV_Pgk1p_mCherry]	built <i>in house</i>		store at -20 °C
Plasmid #730 [LV_pSyn_rtTA(M2)]	built <i>in house</i>		store at -20 °C
Scalpel	Braun	BB515	store at RT
Steromicroscope	Leica	MZ6	store at RT
Trypan blue	Gibco	15250-061	store at RT
Trypsin	Gibco	15400-054	store at -20 °C
Trypsin inhibitor	Sigma	T6522	store at -20 °C