

Materials List for:

Visualization and Live Imaging of Oligodendrocyte Organelles in Organotypic Brain Slices Using Adeno-Associated Virus and Confocal Microscopy

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Materials

Name	Company	Catalog Number	Comments
Agarose	Sigma	A9539	
BD Microlance 19G	BD	301500	Needles used for in- and outlet of bath
Bioxide gas	AGA	105701	
Brand pipette bulbs	Sigma-Aldrich	Z615927	Pipette bulbs
Bunsen burner (Liquid propane burner)	VWR	89038-530	
Cable assembly for heater controllers	Warner Instruments	64-0106	Temperature controller - thermometer part
CaCl ₂	Fluka	21100	
CO ₂	AGA	100309	CO ₂ for incubator
Cover glass, square Corning	Thermo Fischer Scientific	13206778	To attach under bath for live imaging. Seal with glue or petroleum jelly.
D-(+)-Glucose	Sigma	G7021	
Delicate forceps	Finescience	11063-07	For dissection
Diamond scribe pen	Ted Pella Inc.	54463	
Disposable Glass Pasteur Pipettes 230 mm	VWR	612-1702	Glass pipettes
Double edge stainless steel razor blade	Electron Microscopy Sciences	#7200	Razor blade for vibratome
Earle's Balanced Salt Solution (EBSS)	Gibco-Invitrogen	24010-043	
Filter paper circles	Schleicher & Schuell	300,220	Filter paper used for filtration of PFA
Fun tack	Loctite	1270884	Use to connect/adjust position of in- and outlets in bath
Hand towel C-Fold 2	Katrin	344388	
Harp, Flat for RC-41 Chamber,	Warner Instruments	64-1418	Harp to hold down confetti in bath. Cut off strings before use with organotypic slices. 1.5 mm, 13mm, SHD-41/15
HEPES, FW: 260.3	Sigma	H-7006	
Holten LaminAir, Model 1.2	Heto-Holten	96004000M	Laminar flow hood
Horse serum, heat inactivated	Gibco-Invitrogen	26050-088	
KCI	Sigma	P9541	
LCR Membrane, PTFE,	Millipore	FHLC0130	Confetti

Leica VT1200	Leica	14048142065	Vibratome
MEM-Glutamax with HEPES	Thermo Fischer Scientific	42360024	
MgCl ₂	R.P. Normapur	25 108.295	
Micro Spoon Heyman Type B	Electron Microscopy Sciences	62411-B	Small, rounded spatula with sharpened end for dissection
Millex-GP filter unit	Millipore	SLGPM33RA	Syringe filter unit
Millicell cell culture insert, 30 mm	Millipore	PICM03050	Cell culture inserts
Minipuls 3 Speed Control Module	GILSON	F155001	Peristaltic pump for live imaging - Control module part (connect to two-channel head)
Na ₂ HPO ₄	Sigma-Aldrich	S7907	
NaCl	Sigma-Aldrich	S9888	
NaH ₂ PO ₄	Sigma-Aldrich	S8282	
NaHCO ₃	Fluka	71628	
Nunclo Delta Surface	Thermo Fischer Scientific	140675	Culture plate
Nystatin Suspension	Sigma-Aldrich	N1638	
Objective W "Plan-Apochromat" 40x/1.0 DIC	Zeiss	441452-9900-000	Water immersion objective used for live imaging. (WD=2.5mm), VIS-IR
Parafilm	VWR	291-1211	
Paraformaldehyde, granular	Electron Microscopy Sciences	#19208	
PC-R perfusion chamber	SiSkiYou	15280000E	Bath for live imaging
Penicillin-Streptomycin, liquid	Invitrogen	15070-063	
Petri dish 140 mm	Heger	1075	Large Petri dish
Petri dish 92x16 mm	Sarstedt	82.1473	Medium Petri dish
Petridish 55x14,2 mm	VWR	391-0868	Small Petri dish
Phosphate buffered saline (PBS)	Sigma	P4417	PBS tablets
R2 Two Channel Head	GILSON	F117800	Peristaltic pump for live imaging - Two channel head part (requires control module)
Round/Flat Spatulas, Stainless Steel	VWR	82027-528	Large spatula for dissection
Sand paper	VWR	MMMA63119	Optional, for smoothing broken glass pipettes
Scissors, 17,5 cm	Finescience	14130-17	Large scissors for dissection
Scissors, 8,5	Finescience	14084-08	Small, sharp scissors for dissection
Single edge, gem blade	Electron Microscopy Sciences	#71972	Single edge razor blade
Single inline solution heater SH-27B	Warner Instruments	64-0102	Temperature controller - heater part
Steritop-GP Filter unit, 500 ml , 45mm	Millipore	SCGPT05RE	Filter to sterilize solutions
Super glue precision	Loctite	1577386	
Surgical scalpel blade no. 22	Swann Morton Ltd.	209	Rounded scalpel blade
Temperature controller TC324B	Warner Instruments	64-0100	Temperature controller for live imaging (requires solution heater and cable assembly)
Trizma base	Sigma	T1503	
Trizma HCl	Sigma	T3253	
Water jacketed incubator series II	Forma Scientific	78653-2882	Incubator