

Materials List for

Optical Clearing and Labeling for Light-sheet Fluorescence Microscopy in Large-scale Human Brain Imaging

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Materials

Name	Company	Catalog Number	Comments
2,2'-thiodiethanol	Merck Life Science S.R.L.	166782	
Acetamide>= 99.0% (GC)	Merck Life Science S.R.L.	160	
Agarose High EEO	Merck Life Science S.R.L.	A9793	
Boric Acid	Merck Life Science S.R.L.	B7901	
Compressome VF-900-0Z Microtome	Precisionary	/	
Coverslips	LaserOptex	/	customized
Ethylenediaminetetraacetic acid disodium salt dihydrate	Merck Life Science S.R.L.	E5134	
Glutaraldehyde	Merck Life Science S.R.L.	G7651	
Glycine	Santa Cruz Biotechnology	SC_29096	
Hydrogen Peroxide 30%	Merck Life Science S.R.L.		
Incubator ISS-4075	Lab companion	/	
Light-sheet fluorescence microscopy (LSFM)	/	/	custom-made
Loctite Attak	Henkel Italia srl	/	
Microscope slides	Laborchimica	/	customized
Phosphate buffer saline tablet	Merck Life Science S.R.L.	P4417	
Picodent Twinsil	Picodent	13005002	out of production
Potassium Hydrogen Phthalate	Merck Life Science S.R.L.	P1088	
Sodium Azide	Merck Life Science S.R.L.	S2002	
Sodium Dodecyl Sulfate	Merck Life Science S.R.L.	L3771	
Sodium Sulfite	Merck Life Science S.R.L.	S0505	
Spacers	Microlaser srl		customized
Sputum Containers (dishes with screw lids)	Paul Boettger GmbH & Co. KG	07.061.2000	
Tris Base	PanReac AppliChem (ITW reagents)	A4577,0500	
Triton X-100	Merck Life Science S.R.L.	T8787	
Tubes	Sarstedt	62 547254	

Tween 20	Merck Life Science S.R.L.	P9416	
Vibratome VT1000S	Leica Biosystem	/	
Water bath	Memmert	WNB 7-45	
Antibodies and Dyes			
Alexa Fluor 488 AffiniPure Alpaca Anti-Rabbit IgG (H+L)	Jackson Immuno Reasearch	611-545-215	Dilution used, 1:200
Alexa Fluor 488 AffiniPure Bovine Anti-Goat IgG (H+L)	Jackson Immuno Reasearch	805-545-180	Dilution used, 1:200
Alexa Fluor 647 AffiniPure Alpaca Anti-Rabbit IgG (H+L)	Jackson Immuno Reasearch	611-605-215	Dilution used, 1:200
Anti-NeuN Antibody	Merck Life Science S.R.L.	ABN91	Dilution used, 1:100
Anti-Parvalbumin antibody (PV)	Abcam	ab32895	Dilution used, 1:200
Anti-Vimentin antibody [V9] - Cytoskeleton Marker (VIM)	Abcam	ab8069	Dilution used, 1:200
Calretinin Polyclonal antibody	ProteinTech	12278_1_AP	Dilution used, 1:200
DAPI	ThermoFisher	D3571	Dilution used, 1:100
Donkey Anti-Mouse IgG H&L (Alexa Fluor 568)	Abcam	ab175700	Dilution used, 1:200
Donkey Anti-Mouse IgG H&L (Alexa Fluor 647)	Abcam	ab150107	Dilution used, 1:200
Donkey Anti-Rabbit IgG H&L (Alexa Fluor 568)	Abcam	ab175470	Dilution used, 1:200
Donkey Anti-Rat IgG H&L (Alexa Fluor 568) preadsorbed	Abcam	ab175475	Dilution used, 1:200
Goat Anti-Chicken IgY H&L (Alexa Fluor 488)	Abcam	ab150169	Dilution used, 1:500
Goat Anti-Chicken IgY H&L (Alexa Fluor 568)	Abcam	ab175711	Dilution used, 1:500
Goat Anti-Chicken IgY H&L (Alexa Fluor 647)	Abcam	ab150171	Dilution used, 1:500
Goat Anti-Rabbit IgG H&L (Alexa Fluor 488)	Abcam	ab150077	Dilution used, 1:200
Recombinant Alexa Fluor 488 Anti-GFAP antibody	Abcam	ab194324	Dilution used, 1:200
Somatostatin Antibody YC7	Santa Cruz Biotechnology	sc-47706	Dilution used, 1:200
Vasoactive intestinal peptide (VIP)	ProteinTech	16233-1-AP	Dilution used, 1:200