

Materials List for:

An Engulfment Assay: A Protocol to Assess Interactions Between CNS Phagocytes and Neurons

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Materials

Name	Company	Catalog Number	Comments
Heat pad	Vet Equip, Inc.	965500	
Warm water source for heat pad	Kent Scientific	TP-700	
Stereo microscope	DSC Optical	Zeiss Opmi -6 Surgical Microscope	
Sliding microtome with freezing stage	Leica	SM2010 R	
Microtome blade	Leica	14021607100	
Fluorescent dissecting microscope	Nikon	SMZ800 with Epi-fluorescence attachment	
Spinning disk confocal microscope	Perkin Elmer	UltraView Vox Spinning Disk Confocal	
10 µl Hamilton gas tight syringes	Hamilton	80030	Use a different syringe for each color dye/tracer
Hamilton needles	Hamilton	7803-05, specifications: blunt, 1.5"	
Alexa-conjugated cholera toxin β subunit (CTB)	Invitrogen	488: C22841	Reconstitute in sterile saline, 80 µl (488), 100 µl (594), 20 µl (647)
594: C22842			
647: C34778			
Phosphate Buffered Saline (PBS)	Sigma	P4417-50TAB	
Neomycin and Polymyxin B Sulfates and Bacitracin Zinc Ophthalmic Ointment USP (antibiotic ointment)	Bausch & Lomb	24208-780-55	
30.5 G needle	Becton Dickinson	305106	
Spring scissors	Roboz	RS-5630	
Cotton-tipped applicator	Fisher	23-400-125	
Paraformaldehyde (PFA)	Electron Microscopy Sciences	15710	Dilute 16% to 4% in PBS. Paraformaldehyde is toxic, use in a fume hood and wear personal protective equipment.
Dissection tools – scissors, forceps, spatula	Small scissors: Fine Science Tools	Small scissors:14370-22	
Large scissors: Roboz	Large scissors: RS-6820		
#55 forceps: Fine Science Tools	#55 forceps: 11255-20		
Spatula: Ted Pella, Inc.	Spatula: 13504		
Sucrose	Sigma	S8501-5KG	Make 30% sucrose in PBS (weight/vol)
OCT Compound	VWR	25608-930	
Weigh boat	USA Scientific	2347-1426	

24-well plates	BD Biosciences	353047	
Sodium phosphate monobasic	Sigma	S6566-500G	Make 0.2 M sodium phosphate monobasic (PB-A) in ddH ₂ O and 0.2 M sodium phosphate dibasic (PB-B) in ddH ₂ O. To make 0.1 M PB, combine 19 ml PB-A and 81 ml PB-B, fill to 200 ml with ddH ₂ O
Sodium phosphate dibasic	Sigma	S5136-500G	
Coverslips, 22 X 50 mm, No. 1.5	VWR	48393 194	
Charged microscope slide	VWR	48311-703	
Vectasheild	Vector Laboratories	H-1200	