

Materials List for:

Neuron-Macrophage Co-cultures to Activate Macrophages Secreting Molecular Factors with Neurite Outgrowth Activity

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Materials

Name	Company	Catalog Number	Comments
Cell culture insert transparent PET membrane 0.4µm pore size	Corning, Falcon	353090	Transparent PET membrane with 0.4-µm pore size, for 6-well plate
70-µm nylon cell strainer	Corning, Falcon	352350	
8-well culture slide	Biocoat	354632	with a uniform application of Poly-D-Lysine
Red blood cell lysis buffer	Qiagen	158904	
Collagenase from <i>Clostridium histolyticum</i>	Sigma-Aldrich	C9407-100MG	
Neurobasal medium	Thermo Fisher Scientific, Gibco	21103-049	Containing 1% glutamax and 1% penicilin-streptomycin
B-27 supplement, serum free	Thermo Fisher Scientific, Gibco	17504-044	extracellular solution
Glutamax	Thermo Fisher Scientific, Gibco	35050-061	
Penicillin-streptomycin	Thermo Fisher Scientific, Gibco	15140-122	
Poly-D-lysine Hydrobromide	Sigma-Aldrich	P6407-5MG	
Laminin	Thermo Fisher Scientific, Invitrogen	23017-015	
Adenosine 3', 5'-cyclic monophosphate, N ⁶ ,O2'-dibutryl-, sodium salt	Merck Millipore Corporation, Calbiochem	28745	
10% Normal Goat Serum	Thermo Fisher Scientific	16210072	
Triton-X-100	Daejung Chemical and Metal Co	8566-4405	
Anti β III tubulin (Tuj-1)	Promega Corporation	G7121	Mouse monoclonal antibody
Goat anti-Mouse IgG (H+L) secondary antibody	Thermo Fisher Scientific, Invitrogen	A11005	
Hemocytometer	Marienfeld-Superior	N/A	
Cell culture CO ₂ incubator	Panasonic	N/A	
Dissecting stereomicroscope	Carl Zeiss	Stemi DV4	
Twist shaker	FINEPCR	Tw3t	
Tabletop centrifuge	Sorvall	N/A	
Confocal microscope	Olympus America Inc	IX71	
FBS (Fetal Bovine Serum)	VWR International, Hyclone	SH30919.03	
Friedman Pearson Rongeurs	FST (Fine Science Tools)	16021-14	Stainless steel, 14cm, curved, single joint action
Fine Scissors - Tungsten Carbide & ToughCut	FST (Fine Science Tools)	14558-11	sharp, serrated

Dumont #7 Forceps	FST (Fine Science Tools)	11272-30	Dumoxel, 0.07 x 0.04mm, curved
Vannas Spring Scissors	FST (Fine Science Tools)	15000-00	straight, 3mm cutting-edge, sharp
Qualitron DW-41 Micro-Centrifuge	Artisan Technology Group	DW-41	Input Voltage: 115VAC