

Materials List for

Isolation of Pure Astrocytes and Microglia from the Adult Mouse Spinal Cord For *In Vitro* Assays and Transcriptomic Studies

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jove.com/video/65893

Materials

Name	Company	Catalog Number	Comments
2,2,2-Tribromoethanol	Sigma Aldrich	T48402	
24 well tissue culture plate	Avantor	10861-558	
2-Methyl-2-butanol, 98%	Thermo Fisher	A18304-0F	
4',6-Diamidino-2-Phenylindole, Dihydrochloride	Invitrogen	D1306	1:1000
45% glucose solution	Corning	25-037-CI	
5 mL capped tubes	Eppendorf	30122305	
Acetic acid	Sigma-Adlrich	A6283	
Adult Brain Dissociation Kit	Miltenyi	103-107-677	
Anti-ACSA2 Microbead Kit	Miltenyi	130-097-679	
Anti-Iba1	Wako	019-1974	
Bioanalyzer	Agilent Technologies	G2939BA	
C57BL/6J wild-type (WT) mice	Jackson Laboratories		
CD11b (Microglia) MicroBeads	Miltenyi	130-093-634	
Celltrics 30 µm filter	Systemex Partec	04-004-2326	
Counting Chamber (Hemocytometer)	Hausser Scientific Co	3200	
Deoxyribonuclease I from bovine pancreas	Sigma Aldrich	D4527-40KU	
Distilled water	TMO	15230001	
DMEM/F12	Thermo Fisher	11320074	
DNase for RNA purification	Qiagen	79254	
Dulbecco's phosphate-buffered saline	Thermo Fisher	14040117	
Fetal bovine serum	Thermo Fisher	A5209401	
GFAP antibody (mouse)	Santa Cruz	sc-33673	1:500
GFAP antibody (rabbit)	Dako	Z0334	1:500
Goat anti-mouse 594 IgG	Invitrogen	a11032	1:500

Goat anti-mouse 594 IgM	Invitrogen	a21044	1:300
Goat anti-Rabbit 488 IgG	Invitrogen	a11008	1:500
Iba1 antibody (rabbit)	Wako	019-1974	1:500
MACS Separator	Miltenyi	130-042-303	
Masterflex C/L Pump System	Thermo Fisher	77122-22	
MEM	Corning	15-015-CV	
Methanol	Sigma-Adrich	439193	
Mounting Medium	Vector Laboratories	H-1000-10	
MS Columns	Miltenyi	130-042-401	
O4 Antibody	R&D	MAB1326	
Penicillin-Streptomycin	Gibco	15070063	
Plugged 9" glass pasteur pipette	VWR	14672-412	
RNeasy Plus Micro Kit	Qiagen	74034	
Royal-tek Surgical scalpel blade no. 10	Fisher scientific	22-079-683	
Small Vein Infusion Set, 23 G x 19 mm	Kawasumi	D3K2-23G	