

Materials List for:

Simultaneous Flow Cytometric Characterization of Multiple Cell Types Retrieved from Mouse Brain/Spinal Cord Through Different Homogenization Methods

Francisco J. Molina Estevez^{*1}, Tyler D. Mathews^{*1}, Alessandra Biffi^{1,2}, Marco Peviani^{1,2}

¹Dana-Farber/Boston Children's Cancer and Blood Disorders Center

²Harvard Medical School

*These authors contributed equally

Correspondence to: Marco Peviani at marco.peviani@unipv.it

URL: <https://www.jove.com/video/60335>

DOI: [doi:10.3791/60335](https://doi.org/10.3791/60335)

Materials

Name	Company	Catalog Number	Comments
10X HBSS (Calcium, Magnesium chloride, and Magnesium Sulfate-free)	Gibco	14185-052	
70 mm Cell Strainer	Corning	431751	
ACSA/ACSA2 anti-mouse antibody	Miltenyi Biotec	130-117-535	APC conjugated
Bovine Serum Albumin	Sigma Aldrich	A9647-1KG	
CD11b rat anti-mouse antibody	Invitrogen	47-0112-82	APC-eFluor 780 conjugated
CD31 rat anti-mouse antibody	BD Bioscience	562939	BV421 conjugated
CD45 rat anti-mouse antibody	Biolegend	103138	Brilliant Violet 510 conjugated
CD90.1/Thy1.1 rat anti-mouse antibody	Biolegend	202518	PE/Cy7 conjugated
CD90.2/Thy1.2 rat anti-mouse antibody	Biolegend	1005325	PE/Cy7 conjugated
Conical Tubes (15 mL)	CellTreat	229411	
Conical Tubes (50 mL)	CellTreat	229422	
Dounce Tissue Grinder set (Includes Mortar as well as Pestles A and B)	Sigma-Aldrich	D9063-1SET	
Fc (CD16/CD32) Block rat anti-mouse antibody	BD Pharmingen	553142	
Fetal Bovine Serum	Benchmark	100-106	
Neural Tissue Dissociation Kit (P)	Miltenyi Biotec	130-092-628	
O4 anti mouse/rat/human antibody	Miltenyi Biotec	130-095-895	Biotin conjugated
Percoll	GE Healthcare	10266569	sold as not sterile reagent
Percoll	Sigma	65455529	sterile reagent (to be used for applications requiring sterility)
Percoll PLUS	Sigma	GE17-5445-01	reagent containing very low traces of endotoxin
Streptavidin	Invitrogen	S3258	Alexa Fluor 680 conjugated