

Materials List for:

Isolation of Adult Spinal Cord Nuclei for Massively Parallel Single-nucleus RNA Sequencing

Kaya J.E. Matson¹, Anupama Sathyamurthy¹, Kory R. Johnson², Michael C. Kelly^{3,4}, Matthew W. Kelley³, Ariel J. Levine¹

¹Spinal Circuits and Plasticity Unit, National Institute of Neurological Disorders and Stroke

²Bioinformatics Section, Information Technology Program, National Institute of Neurological Disorders and Stroke

³Laboratory of Cochlear Development, National Institute on Deafness and Other Communication Disorders

⁴Single Cell Analysis Facility, Frederick National Laboratory

Correspondence to: Ariel J. Levine at ariel.levine@nih.gov

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Materials

Name	Company	Catalog Number	Comments
Sucrose	Invitrogen	15503-022	
1 M HEPES (pH = 8.0)	Gibco	15630-080	
CaCl ₂	Sigma Aldrich	C1016-100G	
MgAc	Sigma Aldrich	M5661-50G	
0.5 M EDTA (pH = 8.0)	Corning	MT-46034CI	
Dithiothreitol (DTT)	Sigma Aldrich	10197777001	Add DTT just prior to use
Triton-X	Sigma Aldrich	T8787	
Nuclease-free water	Crystalgen	221-238-10	
1 M Tris-HCl (pH = 7.4)	Sigma Aldrich	T2194	
5 M NaCl	Sigma Aldrich	59222C	
1 M MgCl ₂	Sigma Aldrich	M1028	
Nonidet P40	Sigma Aldrich	74385	
Hibernate-A	Gibco	A12475-01	
Glutamax (100x)	Gibco	35050-061	
B27 (50x)	Gibco	17504-044	
1x PBS	Crystalgen	221-133-10	
0.04% BSA	New England Biolabs	B9000S	
0.2 U/μL RNase Inhibitor	Lucigen	30281-1	
Oak Ridge Centrifuge Tube	Thermo Scientific	3118-0050	
Disposable Cotton-Plugged Borosilicate-Glass Pasteur Pipets	Fisher Scientific	13-678-8B	
Glass Tissue Dounce (2 mL)	Kimble	885303-002	
Glass large clearance pestle	Kimble	885301-0002	
Glass small clearance pestle	Kimble	885302-002	
T 10 Basic Ultra Turrax Homogenizer	IKA	3737001	
Dispersing tool (S 10 N – 5G)	IKA	3304000	
Trypan Blue Stain (0.4%)	Thermo Fisher Scientific	T10282	
40 μm cell strainer	Falcon	352340	
MACS SmartStrainers, 30 μm	Miltenyi Biotec	130-098-458	
Conical tubes	Denville Scientific	1000799	
Sorvall Legend XTR Centrifuge	Thermo Fisher Scientific	75004505	

Fiberlite F15-6 x 100y Fixed-Angle Rotor	Thermo Fisher Scientific	75003698	
Sterological Pipettes: 5 mL, 10 mL	Denville Scientific	P7127	
Hemocytometer	Daigger Scientific	EF16034F	
Chemgenes Barcoding Beads	Chemgenes	Macosko-2011-10	
RNaseZap RNase Decontamination Solution	Invitrogen	AM9780	
Falcon Test Tube with Cell Strainer Cap (35 µm)	Corning	352235	
MoFlo Astrios Cell Sorter	Beckman Coulter	B25982	
Chromium i7 Multiplex Kit, 96 rxns	10X Genomics	120262	
Chromium Single Cell 3' Library and Gel Bead Kit v2, 4 rxns	10X Genomics	120267	
Chromium Single Cell A Chip Kit, 16 rxns	10X Genomics		
Tissue Culture Dish (60 mm x 15 mm)	Corning	353002	