

Subcellular Fractionation for the Isolation of Synaptic Components from the Murine Brain

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Materials

Name	Company	Catalog Number	Comments
1 mL TB Syringe	BD	309649	
1.5 mL Eppendorf Tubes	USA Scientific	1415-2500	
14 mL, Open-Top Thinwall Ultra-Clear Tube	Beckman Coulter	344060	Compatible with SW 40 Ti
23 Gauge Precision Glide Hypodermic Needle	BD	305145	
26.3 mL, Polycarbonate Bottle with Cap Assembly	Beckman Coulter	355618	Compatible with Ti70
3.5 mL, Open-Top Thickwall Polypropylene Tube	Beckman Coulter	349623	Compatible with TLA-100.3
50 mL Falcon Tubes	Fisher Scientific	14-432-22	
Amicon Ultra-15 Centrifugal Filter Unit	Millipore Sigma	UFC901024	
Aprotinin	Sigma-Aldrich	A6279	1 mg/mL in diH ₂ O
Avanti J-26 XP Centrifuge	Beckman Coulter	B22984	<26,000 rpm
Benchtop HDPE Dewar Flask	Thermo Scientific	5028U19	
C57BL/6J Mice	The Jackson Labs	000664	
Centrifuge 5810R	Eppendorf	EP022628168	<14,000 rpm
complete, Mini, EDTA-free Protease Inhibitor Cocktail Tablets	Roche	11873580001	Add 1 tablet per 50 mL of solution
Curved Forceps	Fine Science Tools	11273-20	
Fine Surgical Scissors	Fine Science Tools	8r	
Glas-Col Tissue Homogenizing System	Cole-Parmer	UX-04369-15	
Graefe Forceps	Fine Science Tools	11650-10	
High-Speed Polycarbonate Round Bottom Centrifuge Tubes	ThermoFisher	3117-0500	Compatible with JA20
Isofluorane	Henry Schein Animal Health	NDC 11695-6776-2	
JA-20 Rotor	Beckman Coulter	334831	
Leupeptin	American Bio	AB01108	1 mg/mL in diH ₂ O

N-[2-Hydroxyethyl] piperazine-N'-[2-ethanesulfonic acid] (HEPES)	American Bio	AB00892	
Optima L-80 XP Ultracentrifuge	Beckman Coulter		<100,000 rpm
Optima TLX Ultracentrifuge	Beckman Coulter		<120,000 rpm
Pepstatin A	Thermo Scientific	78436	1 mg/mL in DMSO
Phenylmethylsulfonyl fluoride (PMSF)	American Bio	AB01620	
Pierce BCA Protein Assay Kit	Thermo Scientific	23335	For determination of protein concentration
Pipette Tips			
Serological Pipettes			
Sucrose	Sigma-Aldrich	S0389	
Surgical Scissors	Fine Science Tools	14002-12	
SW 40 Ti Swinging-Bucket Rotor	Beckman Coulter	331301	
Teflon-Coated Pestle and Mortar Tissue Grinder	Thomas Scientific	3431D94	
Ti70 Rotor	Beckman Coulter	337922	
TLA-100.3 Rotor	Beckman Coulter	349490	
Tube Revolver	Dot Scientific	DTR-02VS	