

Materials List for:

Collection of Frozen Rodent Brain Regions for Downstream Analyses

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Materials

Name	Company	Catalog Number	Comments
0.5 mm Mouse coronal brain matrice	Braintree Scientific	BS-SS 505C	Cutting block
0.5 mm Rat coronal brain matrice	Braintree Scientific	BS-SS 705C	Cutting block
1.0 mm Biopsy Punch with plunger	Electron Microscopy Sciences	69031-01	
1.5 mL microcentrifuge tubes	Dot Scientific	229443	For storing frozen ROIs
1.5 mm Biopsy Punch with plunger	Electron Microscopy Sciences	69031-02	
2.0 mm Biopsy Punch with plunger	Electron Microscopy Sciences	69031-03	
4-12% NuPage gel	Invitrogen	NPO323BOX	protein gradient gel
Bioanalyzer System	Agilent	2100	RNA analysis system
Dounce tissue grinder	Millipore Sigma	D8938	Glass tissue homogenizer
Dry Ice			
Fiber-Lite	Dolan-Jenner Industries Inc.	Model 180	Cool lamp
Glass plates	LabRepCo	11074010	
HALT	ThermoFisher	78440	protease inhibitor cocktail
Low profile blades	Sakura Finetek USA Inc.	4689	
mouse anti-actin antibody	Developmental Studies Hybridoma Bank	JLA20	Antibody
Nanodrop	Thermo Scientific	2000C	Used in initial RNA purity analysis
No. 15 surgical blade	Surgical Design Inc	17467673	
Odyssey Blocking buffer	LiCor Biosciences	927-40000	Western blocking reagent
Omni Tissue Master 125	VWR	10046-866	Tissue homogenizer
rabbit anti-KCC2 antibody	Cell Signaling Technology	94725S	Antibody
RNA Plus Micro Kit	Qiagen	73034	Used to extract RNA from small tissue samples
RNaseZap	Life Technologies	AM9780	
Scalpel handle	Excelta Corp.	16050103	
Standard razor blades	American Line	66-0362	
TRIzol Reagent	ThermoFisher Scientific	15596026	Used to extract RNA from tissue