

Materials List for

Concurrent Collection of Fetal Murine Brain and Serum to Assess Effects of Maternal Diet on Nutrition and Neurodevelopment in Neurofibromatosis Type 1

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jove.com/video/66226

Materials

Name	Company	Catalog Number	Comments
#5/45 Forceps	Dumont	11251-35	tip shape: angled 45°
4200 Tapestation	Agilent	G2991BA	Verify RNA integrity and quality, measurement of RIN values
Benchtop Liquid Nitrogen Container	Thermo Fisher	2122	Or other cryo-safe container
Control Chow	PicoLab	5053	Research diets D12328 (low-fat, low-sugar) may also be used.
Curved Forceps	Cole Parmer	UX-10818-25	Tip shape: curved 90°
Dissecting blade handle	Cole-Parmer Essentials	10822-20	SS Siegel-Type, #10 to #15 blades
EMS SuperCut Dissection Scissors	Electron microscope sciences	72996-01	5½" (139.7 mm), Straight
GFAP Antibody	Abcam	ab7260	Dilute 1:350. Block with 10% serum containing 0.3 M Glycine.
Glassvan Carbon Steel Surgical Blades, Size 11	MYCO medical	2001T-11	#11 blades allow straight, flat cut
Micro lab spoon	Az Scilab	A2Z-VL001	stainless steel, autoclavable
Micro scissors	Rubis	78180-1C3	model 1C300
Minivette POCT neutral	Sarstedt	17.2111.050	nominal volume: 50 µL, without preparation
Nanorop	Thermo Fisher	13-400-519	Measure RNA concentration, 260/280 ratios
Obesogenic diet	Researchdiets.com	D12331	High-fat, high-sucrose
Total Cholesterol Reagent	Thermo Fisher	TR13421	Colorimetric detection
β-actin antibody	Cell Signaling	8457	Dilute 1:1,000.