

Materials List for:

A Quantitative Autoradiographic Method for Determination of Regional Rates of Cerebral Protein Synthesis In Vivo

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Materials

Name	Company	Catalog Number	Comments
Mice	The Jackson Laboratory	003024	<i>Fmr1</i> knockout breeding pairs
Anisomycin	Tocris Bioscience	1290	
Microhematocrit Tubes	Drummond Scientific	1-000-3200-H	capillary tubes
Critoseal Capillary Tube Sealant	Leica Microsystems	39215003	sealant putty
Glass vial inserts	Agilent	5183-2089	used to collect blood samples
Digi-Med Blood Pressure Analyzer	Micro-Med Inc.	BPA-400	blood pressure analyzer
Bayer Breeze 2 Blood Glucose Monitoring System	Bayer Breeze	9570A	glucose meter
Gastight syringe	Hamilton Co.	1710	tuberculin glass syringe
HeatMax HotHands-2 Hand Warmers	HeatMax	Model HH2	warming pads
Heparin Lock Flush Solution	Fresenius Kabi USA, LLC	504505	heparin saline
Clear animal container	Instech	MTANK/W	animal enclosure
Spring tether	Instech	PS62	catheter tube/rodent attachment
Swivel	Instech	375/25	hooks to spring tether
Swivel arm and mount	Instech	SMCLA	hooks to swivel and animal enclosure
Tether button	Instech	VAB62BS/22	attaches to bottom of spring tether
Stainless steel tube	Made in-house	N/A	used to snake catheters through mouse
Matrx VIP 3000	Matrx	91305430	isoflurane vaporizer
Isoflurane	Stoelting Co.	50207	isoflurane/halothane adsorber
Clippers	Oster Finisher	Model 59	
Surgical skin hooks	Made in-house (??)	N/A (??)	
0.9% Sodium Chloride Saline	APP Pharmaceuticals LLC	918610	
Forceps	Fine Science Tools	11274-20	
Surgical scissors	Fine Science Tools	14058-11	
Microscissors	Fine Science Tools	15000-00	
UNIFY silk surgical sutures	AD Surgical	#S-S618R13	6-0 USP, non-absorbable
PE-8 polyethylene tubing	SAI Infusion Technologies	PE-8-25	
Syringe	Becton Dickinson and Co.	309659	1cc/mL
PE-10 polyethylene tubing	Clay Adams	427400	
MCID Analysis	Imaging Research Inc.	Version 7.0	optical density analysis
Gelatin-coated slides (75x25mm)	FD Neurotechnologies	PO101	
Cryostat	Leica	CM1850	

Super RX-N medical x-ray film	Fuji	47410-19291	
Hypercassettes (8x10 in)	Amersham Pharmacia Biotech	11649	
[1- ¹⁴ C]leucine	Moravak	MC404E	
Microcentrifuge tube	Sarstedt Aktiengesellschaft & Co.	72.692.005	used to deproteinize blood samples
Glass pasteur pipette	Wheaton	357335	
Glass wool	Sigma-Aldrich	18421	
Nitrogen	NIH Supply Center	6830009737285	
Scintillation fluid	CytoScint	882453	
Liquid scintillation counter	Packard Tri-Carb	2250CA	
Amino acid analyzer	Pickering Laboratories	Pinnacle PCX	
HPLC unit	Agilent Technologies	1260 Infinity	include 1260 Bio-Inert Pump
Surgical microscope	Wild Heerbrugg	M650	
Sulfosalicylic acid	Sigma-Aldrich	MKBS1634V	5-sulfosalicylic acid dihydrate
Norleucine	Sigma	N8513	
1.0 N HCl	Sigma-Aldrich	H9892	
[H ³]leucine	Moravak	MC672	
Falcon tube	Thermo Scientific	339652	50 mL conical centrifuge tubes
Stopwatch	Heuer Microsplit	Model 1000	1/100 min
Euthanasia Solution	Vet One	H6438	
Northern Light Precision Illuminator	Imaging Research Inc.	Model B95	fluorescent light box
Micro-NIKKOR 55mm f/2.8	Nikon	1442	CDD camera