

Materials List for:

In Vivo Microdialysis Method to Collect Large Extracellular Proteins from Brain Interstitial Fluid with High-molecular Weight Cut-off Probes

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Materials

Name	Company	Catalog Number	Comments
The Univentor 820 Microsampler	Univentor	8303002	Refrigerated fraction collector
Syringe pump	KD scientific	KDS-101	
Roller pump	Eicom microdialysis	ERP-10	
Return Stand-Alone System	BASi	MD-1409	Free-moving system
Dual species cage kit	BASi	CX-1600	
AtmosLM Microdialysis probe (shaft length 8 mm, membrane length 2 mm)	Eicom microdialysis	PEP-8-02	Shaft length for a probe, a guide, a dummy probe and a stereotaxic adaptor should be identical.
Microdialysis guide (shaft length 8 mm)	Eicom microdialysis	PEG-8	
Microdialysis dummy probe (shaft length 8 mm)	Eicom microdialysis	PED-8	
Bone screw	BASi	MD-1310	
Super bond C&B set	Sunmedical		Dental cement
Small animal Stereotaxic Instrument with digital display console	Kopf	Model 940	Stereotaxic apparatus
Mouse and neonatal rat adaptor	Stoelting	51625	
Standard Ear Bars and Rubber Tips for Mouse Stereotaxic	Stoelting	51648	
Albumin solution from bovine serum	Sigma	A7284-50ML	30% BSA solution
FEP tubing (70 cm)	Eicom microdialysis	JF-10-70	Internal volume = 0.5 µL/cm
Teflon tubing (50 cm)	Eicom microdialysis	JT-10-50	Internal volume = 0.08 µL/cm
Byton tube	Eicom microdialysis	JB-30	
Intramedic luer stab adaptor 23G	BD	427565	Blunt end needle
Roller tube	Eicom microdialysis	RT-5S	Internal volume = 4 µL
Cap nut	Eicom microdialysis	AC-5	
0.25 mL microcentrifuge tube with cap	QSP	503-Q	Tubes for fraction collector
Stereotaxic adaptor (shaft length 8 mm)	Eicom microdialysis	PESG-8	
Connection needle	Eicom microdialysis	RTJ	
Mouse animal collar	BASi	MD-1365	
High Speed Rotary Micromotor kit	FOREDOM	K.1070	Drill
Picrotoxin	Sigma	P1675	
Screw driver for bone screws			

Scalpel			
Cotton swab			
Surgical clipper			