

Materials List for:

Whole Animal Perfusion Fixation for Rodents

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Materials

Name	Company	Catalog Number	Comments
Anesthetic:			
Ketamine/xylazine mixture (Anesthetic may vary per laboratory / institution)	Ketaset	NDC 0856-2013-01	10 mL vial
Surgery:			
Needle tip, 27 GA x 1.25"	Materiel Services	25251	
Large blunt/blunt curved scissors (~14.5 cm)	Fine Science Tools	14519-14	
Straight iris scissors	Fine Science Tools	14058-11	
Standard tweezers	Fine Science Tools	11027-12	
Pair of fine (Graefe) tweezers	Fine Science Tools	11050-10	
1 large hemostat forceps - curved or straight (~19 cm)	surgicaltools.com	17.21.51	
2 standard hemostat forceps - straight serrated (14 cm)	Fine Science Tools	13013-14	
1 modified hemostat (with 15-gauge hole filed through the tip)	Fine Science Tools	13013-14	
15-gauge blunt or olive-tipped needle (perfusion needle)	Fisnar	5601137	
Perfusion:			
HyPerfusion system or equivalent			
Phosphate buffered saline, pH 7.4			
4% Paraformaldehyde in 0.1 M Phosphate Buffer, pH 7.4			
Shallow glass or plastic tray, approximately 10" x 10"			
Crushed ice			
Water bath (37 °C)			
Timer			
50 ml syringe	Medline Industries	NPMJD50LZ	
Dissection:			
Pair of standard sharp/blunt straight scissors (~12 cm)	Fine Science Tools	14054-13	
Medium curved or straight rongeurs (14-16 cm) or skull bone removal pliers	Fine Science Tools	16020-14	
Straight iris scissors (~9 cm)	Fine Science Tools	14058-11	
Micro-spatula (double 2" flat ends, one rounded, one tapered to 1/8")	Fine Science Tools	10091-12	

Post-Fixation & Storage:			
50 ml glass vial			
40 ml HEPES-Buffered Hanks Solution (HBHS) with sodium azide (90mg/l)			