

Modeling Neonatal Intraventricular Hemorrhage Through Intraventricular Injection of Hemoglobin

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Materials

Name	Company	Catalog Number	Comments
0.3 mL insulin syringe	BD Microfine + Insulin Syringe	230-4533	0.3-0.5 mL syringes will work
1.5 mL microtube	USA Scientific	1615-5500	Lot No. K194642H -3 511
4.7T MRI	Agilent/Varian	4.7T/33 cm	Agilent/Varian DirectDrive 4.7-T (200-MHz) MRI system
6-0 monofilament suture	ETHICON	667G	
9.4T MRI	Bruker	BioSpec 94/20	Used in this protocol without the cryoprobe
Analytical balance	CCURIS Instruments	W3200-320	
Artificial CSF (aCSF)	Tocris Bioscience	3525	Batch No: 72A
Betadine	Purdue Products L.P.	301005-00	NDC 67618-150-09
Carprofen (injectable)	Zoetis Inc.	PI 4019448	Rimadyl
Ethanol	Decon Laboratories	2701	
Heating pad	Sunbeam	E12107-819	UL 612A, Z-1228-001
Hemoglobin	MP Biomedicals	100714	LOT NO. SR02321
Isoflurane	Piramal Critical Care	NDC 66794-017-25	
Isoflurane vaporizer	VETEQUIP	911103	
Light for stereotactic instrument	Dolan-Jenner industries	Fiber-Lite MI-150	
Microinjection syringe pump	World Precision Instruments	MICRO21	Serial 184034 T08K
MRI software	Bruker BioSpin	Paravision 360 3.2	
Oxygen	Airgas Healthcare	UN1072	LOT NUMBER S1432080XA02
Sprague Dawley rats	Charles River Laboratories	Strain code: 001	
Stereotactic instrument	KOPF Instruments	Model 900LS Lazy Susan	
Sterile cotton tipped applicator	Fischerbrand	23-400-118	
Surgical blade	covetrus	#10	
Topical triple antibiotic	Triple Antibiotic Ointment	NDC 51672-2120-1	

Ventricle volume quantification software	ITK-SNAP	ITK-SNAP 4.0.0 beta	
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