

Intraventricular Drug Delivery and Sampling for Pharmacokinetics and Pharmacodynamics Study

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Materials

Name	Company	Catalog Number	Comments
Acetone	Terumo, Japan	SS+01T	
5 mL syringes	Terumo, Japan	SS+05S	
Acetone	Merck, Germany	67641	
Bench protector sheets	Halyard, USA	2765-C	
Betadine	Mundipharma, Netherlands	1015695	
Buprenorphine; Temgesic	Clifford Hallam Healthcare, Australia	1238366	
Carprofen	Zoetis, Australia	10001132	
Chlorhexidine	Tasman Chemicals, Australia	890401	
Chux superwipes (or equivalent)	Chux, Australia	n/a	autoclaved
Clippers	n/a	n/a	
Cotton swabs	LP Italiana, Italy	112191	autoclaved
Dental cement powder (Vertex Self cure powder)	Henry Schein, USA	VX-SC500GVD5	
Dental cement solvent (Vertex Self cure liquid)	Henry Schein, USA	VX-SC250MLLQ	
Disposable needles: 18 G, 26 G, 30 G	Terumo, Japan	NN+2525RL	
Disposable surgical blades	Westlab, Australia	663-255	
Dissector scissors	F.S.T.	14082-09	
Dummy cannulas	Bio Scientific, Australia	C313DC/SPC	cut to 4.05 to fit the guide cannula
Ethanol 80%	Merck, Australia	10107	
Evan's blue dye	Sigma	E2129 - 50G	
Eye lube	Clifford Hallam Healthcare, Australia	2070491	
Felt tip pen	Sharpie, USA	D-4236	
Fibre optic light source	n/a	n/a	
Flattened needle (18 G) or similar to apply superglue	n/a	n/a	

Glass pipettes, pulled	Hirschmann Laborgeraete, Germany	9100175	
Glass syringe 10 uL	Hamilton, USA	701 LT and 1701 LT	
Guide cannulas	Bio Scientific, Australia	C313G/SPC	22 G, cut 4 mm below the pedestal for lateral ventricle cannulation in adult Sprague Dawley rats
Haemostat			
Heat bead steriliser	Inotech, Switzerland	IS-250	
Heat pad	n/a	n/a	
Hydrogen peroxide 3%	Perrigo, Australia	11383	
Induction chamber (Perspex 300 mm x 200 mm)	n/a	n/a	
Injector cannula	Bio Scientific, Australia	C313I/SPC	cut to fit the 4 mm cannula + 0.5 mm projection
Isoflurane	Clifford Hallam Healthcare, Australia	2093803	
Isoflurane vaporiser and appropriate scavenging system	n/a	n/a	
Medium size weighing boats	n/a	n/a	
Metal spatula	Met-App, Australia	n/a	
Micro syringe pump	New Era, USA	NE-300	
Microdrill	RWD Life Science Co, China	87001	
Polymyxin B	Beta Pharma, China	86-40302	
Protein LoBind tubes, 0.5 mL	Eppendorf, Germany	Z666491	
Ropivacaine 1%; Naropin	AstraZeneca, UK	PS09634	
Scissors, large	F.S.T.	14511-15	
Scissors, small	F.S.T.	14079-10	
Screwdriver	n/a	n/a	
Screws	Mr. Specs, Australia	n/a	
Stereotaxic frame	RWD Life Science Co, China	n/a	Necessary components: rat ear bars, tooth bar, anaesthesia nose cone, arm with digital readout (X, Y, Z) and cannula holder
Sterile saline 0.9%	Baxter, USA	AHB1323	
Super etch (37% phosphoric acid) gel	SDI Limited, Australia	8100045	
Superglue	UHU, Germany	n/a	
Tissue forceps with hooks	F.S.T.	11027-12	
Tubing, PE-50	Bio Scientific, Australia	C313CT	