

Materials List for:

Technique of Minimally Invasive Transverse Aortic Constriction in Mice for Induction of Left Ventricular Hypertrophy

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Materials

Name	Company	Catalog Number	Comments
Surgical microscope	Olympus	SZX2-TR30	
Razor	Rowenta	Nomad TN3650FO	
Sutures:			
Polypropylene 7/0	Ethicon	BV-1X	
Polypropylene 6/0	BBraun	C0862061	
Silk 6/0 ligature	FST	18020-60	
Polypropylene 4/0	Ethicon	8683	
Polypropylene 5/0	Ethicon	Z303	
Drugs:			
Ketamin	Merial	Imalgène 1000, LBM154AD	
Xylazine	Bayer	Rompun 2%, KP09PPC	
Buprenorphine	Ceva	Vetergesic, 072013	
Instruments:			
Bone nippers	Fine Surgical Tools	16101-10	
Ligation aid	Fine Surgical Tools	18062-12	
Tying forceps	Fine Surgical Tools	18026-10	
Needle holder Crile-Wood	Fine Surgical Tools	12003-15	
Microsurgery forceps	Fine Surgical Tools	11003-12	
Microsurgery forceps	Fine Surgical Tools	11002-12	
Tissue forceps	Fine Surgical Tools	11021-12	
Microsurgery needle holder	Fine Surgical Tools	12076-12	
Microsurgery scissors	Fine Surgical Tools	91501-09	
Mayo scissors	Fine Surgical Tools	14511-15	
11-blade knife	Fine Surgical Tools	10011-00	
RNA extraction and qPCR:			
TriReagent	Euromedex	TR-118-200	
Rneasy Mini kit	Qiagen	74704	
Qubit Fluorimetric RNA assay	Fisher Scientific	10034622	
RNA 6000 Nano kit	Agilent	5067-1511	
High Capacity cDNA kit	Fisher Scientific	10400745	
Taqman Master Mix	Fisher Scientific	10157154	
Taqman BNP primers	Fisher Scientific	Mm01255770_g1	

Taqman ANP primers	Fisher Scientific	Mm01255747_g1	
Taqman ACE primers	Fisher Scientific	Mm00802048_m1	
Taqman Col1a1 primers	Fisher Scientific	Mm00801666_g1	
Taqman TGFb primers	Fisher Scientific	Mm01178820_m1	
Taqman Gapdh primers	Fisher Scientific	Mm99999915_g1	
ABIPrism Thermocycler	Applied Biosystems	7000	
Software:			
GraphPad Prism	GraphPad	Prism 7	
Animal food			
Complete diet for adult rats/mice	Safe	UB220610R	