

Materials List for:

An Optimized Evans Blue Protocol to Assess Vascular Leak in the Mouse

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Materials

Name	Company	Catalog Number	Comments
isoflurane	Vet One	200-070	inhaled anesthetic
ketamine	Vet One	200-055	injectable anesthetic
xylazine	Lloyd Laboratories	139-236	injectable anesthetic
syringes (10,3 & 1 cc)	Becton Dickinson	309604, 309657, 309659	
needles (20G1,23G1 & 26G1/2)	Becton Dickinson	305178, 305193, 305111	
isoflurane induction chamber	VetEquip	941443	1 Liter
nosecone breathing circuits	VetEquip	RC2	Rodent Circuit Controller 2
oxygen tank	Airgas	UN 1072	100% medical
heating pad	CWE Inc.	TC-1000	temperature controller
rectal temperature probe	CWE Inc.	10-09012	mouse
balance (for rodents)	Ohaus	CS 2000	
surgical tools-scissors	Fine Science tools	15000-00	Vannas Spring scissors 3mm straight blade (cutting vessels)
surgical tools-forceps	Fine Science tools	11151-10	Graefe extra fine forceps (isolating mouse vessels)
surgical tools-hemostats	Fine Science tools	13009-12	Halstead-mosquito hemostats (blunt dissect, hold tissue)
surgical tools -suture drivers	Fine Science tools	12502-12	Olsen-Hegar suture drivers (suturing)
surgical tools-forceps	Fine Science tools	11627-12	Adson-Brown alligator forceps (tissue grasping suturing, rat)
surgical tools-scissors	Fine Science tools	14110-15	Mayo tough cut scissors 15 cm (surgery, dissection, bones, rat)
surgical tools-forceps	Fine Science tools	18025-10	suture tying forceps (used for Millar cath)
surgical tools-scissors	Fine Science tools	14078-10	Lexer Baby scissors straight (surgery, mouse)
surgical tools-forceps	Fine Science tools	11254-20	Dumont #5 fine-tip forceps (rat vessels, dissection)
surgical tools-scissors	Fine Science tools	14082-09	Dissector scissors 12 mm (surgery, rat mouse)
surgical tools-forceps	Fine Science tools	11051-10	10 cm Graefe forceps (tissue grasping, rat mouse)
surgical tools-forceps	Fine Science tools	11251-35	Dumont 5/45 forceps (introducer for vessels)
surgical tools-retractors	Fine Science tools	17012-11	Weitlaner retractors 2/3 tooth (rat surgical)

surgical tools-forceps	Fine Science tools	11294-00	Dumont #4 forceps (vessel isolation rats, mice)
surgical tools-forceps	Fine Science tools	11297-00	Dumont #7 forceps (tissue grasping, dissection)
surgical tools-scissors	Fine Science tools	14058-11	tough cut iris scissors (mouse dissection, bones)
surgical tools-forceps	Fine Science tools	11009-13	serrated, curved Semken forceps (tissue grasping, mouse rat)
surgical tools-hemostats	Fine Science tools	13003-10	Hartman curved hemostats (blunt dissect, hold tissue)
surgical tools-forceps	Fine Science tools	11006-12	Adson serrated forceps (tissue grasping)
clippers	Oster	A5	
tape	Fisherbrand	159015G	
artificial tear ointment	Akorn Inc	13985-600-03	
lidocaine	Hospira	0409-4277-01	2% injectable
polyvinyl catheters	Tygon	PV-1	
Evans blue	Sigma Aldrich	E2129	
Substance P	Bachem	H-1890	
heparin	Sagent Pharmaceuticals	25201-400-10	1000 U/ml
saline solution	Hospira	0409-7138-09	0.9% sodium chloride
phenobarbital	Vortech	0298-9373-68	
sodium citrate	Fisher Scientific	BP327-1	
PBS	Sigma Aldrich	P4417-50TAB	
Kimwipes for blotting	Fisher Scientific	06-666A	
formamide	Sigma Aldrich	47670	
microbalance	Denver Instrument	APX-60	
microfuge tubes	Fisher Scientific	07-200-534	
polystyrene 96 well plate	Becton Dickenson	351172	
absorbance plate reader	BioTek	Synergy 2	
polyacrylamide gels	Bio-Rad	3450014	
protein molecular weight standard	Bio-Rad	1610374	
Protran supported nitrocellulose	Amersham (GE)	10600015	
gel box	Bio-Rad	1658005	
Tris	Fisher Scientific	BP152-1	
Tween20	Sigma Aldrich	P-1379	
sodium chloride	Fisher Scientific	S271-1	
primary NEP polyclonal antibody	R & D Systems	AF1182	
doxycycline chow	Teklad (HARLAN)	TD.130750	
FVB/NJ wild type mice	Jackson	001800	
secondary antibody (goat anti-rabbit)	ZyMed	81-6120	
ECL solution-Western Lightening Plus	PerkinElmer	NEL104001EA	
film	Pierce	34091	