

Materials List for

Rodent Model of Intestinal Ischemia-Reperfusion Injury via Occlusion of the Superior Mesenteric Artery

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Citation

Henein, L., Clevenger, R., Keeran, K., Brinster, L. Rodent Model of Intestinal Ischemia-Reperfusion Injury via Occlusion of the Superior Mesenteric Artery. *J. Vis. Exp.* (200), e64314, doi:10.3791/64314 (2023).

Date Published

October 20, 2023

DOI

10.3791/64314

URL

jove.com/video/64314

Materials

Name	Company	Catalog Number	Comments
Adson forceps	Roboz	RS-5236	Surgical instrument
Alm retractor	Roboz	RS-6510	Surgical instrument
Anesthesia machine	Datex-Ohmeda	Aestiva 5	
Anesthesia: isoflurane	Baxter Healthcare Corporation	NDC 10019-360-40	Dose: 1-4%, INH
Angiocath 20 g x 2	Smiths Medical	5057	Flushing intestines with saline and formalin
Atraumatic microvascular clip	Teleflex	065100	Surgical instrument
Buffered formalin 10%	Fisher Scientific	23-245684	Tissue fixation
Bupivacaine 0.25%	Hospira, Inc.	NDC 0409-1160-18	Dose: up to 2 mg/kg drop-wise
Buprenorphine	Par Pharmaceutical	NDC 42023-179-05	Dose: 1 mg/kg, SQ
Chlorhexidine scrub 2%	Vet One	510083	Surgical site prep
Circulating water blanket	Cincinnati Sub Zero	Blanketrol 2	Body temp maintenance
Clippers - Wahl BravMini, Purple Hair clippers	Lambert Vet Supply	008WA-41590-0438	Surgical site prep
Conical tubes 50 ml	Fisher Scientific	14-432-22	Tissue fixation and storage
Dry ice	N/A	N/A	PCR tissue samples
EtOH 200 proof	The Warner-Graham Company	64-17-5	Tissue storage
Heparin (optional)	Meitheal Pharmaceuticals	NDC 71288-402-11	Dose: 200-600 IU/kg
Induction chamber	VetEquip	941456	
Indus Instruments THM100 Rodent Monitor	Indus Instruments	N/A	For monitoring rodent body temperature during surgery
Isopropyl Alcohol 70%	Humco	NDC 0395-4202-28	For scrubbing surgical site
Microcentrifuge Tubes: 0.6mL	Fisher Scientific	05-408-121	PCR tissue samples. 8 per mouse, Terminal bleed collection, serum storage
Microsoft Excel	Microsoft	N/A	
Nose cone	N/A	N/A	Can be homemade with syringe tube or bubble tubing

O ₂ medical air 21%	Roberts Oxygen	N/A	Rate: 0.5 L/min for each L chamber volume
Ophthalmic ointment	Akorn, Inc.	NDC 17478-062-35	Surgical prep
PBS pH 7.4 (1x)	ThermoFisher Scientific	10010-031	For tissue rinsing and making 70% EtOH
Specimen cups	Cardinal Healthcare	C13005	For holding tissue cassettes in formalin
Sterile Castroviejo Needle Holder	Roboz	RS-6412	Surgical instrument
Sterile cotton swabs	Medline	BXTA50002Z	
Sterile gauze	Medline	PRM21423Z	
Sterile Micro Dissecting Scissors	Roboz	RS-5980	Surgical instrument
Sterile micro dissecting spring scissors	Roboz	RS-5693	Surgical instrument
Sterile micro forceps	Roboz	RS-5264	Surgical instrument
Sterile saline (0.9%)	Braun	R5201-01	Must be warmed
Sterile scalpel blade #15	Cardinal Health (Allegiance)	32295-015	Surgical instrument
Sterile scalpel handle	Roboz	RS-9843	Surgical instrument
Sterile surgical drape	Medline	DYNJSD1092	
Sterile surgical gloves	Medline	MSG2270	
Sterile surgical stapler	Roboz	RS-9260	Surgical instrument
Sterile surgical staples	Roboz	RS-9262	Abdominal skin closure
Sterile suture: Vicryl (polyglactin 910) 6-0, 27" Taper RB-1 Needle	Ethicon	J212G	Closing abdominal muscle
Surgical tape	Medline	MMM15271Z	Securing mouse in dorsal recumbancy
Syringe 10 ml x 2	Medline	SYR110010	Flushing intestines with saline and formalin
Tissue cassettes	Fisher Scientific	22-038-665	Rolled intestinal segments. 4 per mouse.
Towel or drape	Medline	GEM2140	Water blanket cover