

Materials List for:

Uncontrolled Hemorrhagic Shock Modeled via Liver Laceration in Mice with Real Time Hemodynamic Monitoring

Mitchell Dyer¹, Shannon Haldeman¹, Andres Gutierrez¹, Lauryn Kohut¹, Anirban Sen Gupta², Matthew D. Neal¹

¹Department of Surgery, University of Pittsburgh

²Department of Biomedical Engineering, Case Western Reserve University

Correspondence to: Mitchell Dyer at dyermr@upmc.edu

URL: <https://www.jove.com/video/55554>

DOI: [doi:10.3791/55554](https://doi.org/10.3791/55554)

Materials

Name	Company	Catalog Number	Comments
SS/45 dumonts	Fine Science Tools	11203-25	
surgical scissors	Fine Science Tools	14068-12	
hemostats	Fine Science Tools	13009-12	
microscissors	Fine Science Tools	15000-08	
0.8 mm curved forceps	Fine Science Tools	11009-13	
suture reel 6-0	Fine Science Tools	18020-60	
suture 4-0 silk w/ needle	Owens Minor	K188H	
gauze 4 x 4	can be purchased through any global vendor		
cotton-tip applicator	can be purchased through any global vendor		
30 G needle	can be purchased through any global vendor		
23 G needle	can be purchased through any global vendor		
10 cc syringe	can be purchased through any global vendor		
50 cc conical tube	can be purchased through any global vendor		
1 cc syringe w/ 25G needle	Fisher Scientific	14-826-88	
Polyethylene 10 tubing 100' (PE-10)	Fisher Scientific	14-170-12P	
Polyethylene 50 tubing 100' (PE-50)	Fisher Scientific	14-170-12B	
3-way stopcock	Fisher Scientific	NC9779127	
surgical blue pad	Fisher Scientific	50-7105	
Sterile Field dressings	Fisher Scientific	NC9517505	
tape rolls 1"	Corporate Express	MMM26001	
straight side wide mouth jars	VWR	159000-058	
stainless steel tray 8" x 11"	VWR	62687-049	
male-male leur lock 3-way	VWR	20068-909	
sterilization pouch 3" x 8"	VWR	24008	
sterilization pouch 5" x 10"	VWR	24010	
absorption triangles	Fine Science Tools	18105-03	
7 mm wound clip applier	Fisher Scientific	E0522687	
1,000 7 mm wound clips	Fisher Scientific	E0522687	

betadine (4 oz)	can be purchased through any global vendor		
sterile gloves	can be purchased through any global vendor		
eppendorfs	can be purchased through any global vendor		
1/2 cc Lo-Dose insulin syringe	Fisher Scientific	12-826-79	
small weigh boat	can be purchased through any global vendor		
lactated ringers	can be purchased through any global vendor		
hepranized saline solution (.1 hep + 9.9 NaCl)	can be purchased through any global vendor		
phosphate buffered saline	can be purchased through any global vendor		
pentobarbital	can be purchased through any global vendor		
Wild M650 microscope w/ boom stand	Leica		
Digi-Med BPA-400 analyzer & systems integrator	Micro-Med	SYS-400	
TXD-310 (Digi-Med Transducer)	Micro-Med	TXD-300	
Computer	Dell		
microbead instrument sterilizer	VWR	11156-002	
Oster A5 clippers w. size 40 blade	VWR	10749-020	
circulating heating pad 18 x 26	Harvard	py872-5272	
rectal thermometer	Kent Scientific	RET-3	