

Materials List for

Ex Vivo Porcine Experimental Model for Studying and Teaching Lung Mechanics

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jove.com/video/64850

Materials

Name	Company	Catalog Number	Comments
0.9% Saline solution			2500ml
Anesthesia machine - Primus	Drager	REF 8603800-18	Anesthesia work station used in the procedure
Aspirator			For blood aspiration from thorax
Bedside Monitor - Life Scope	Nihon Kohden	BSM-7363	Multiparameter monitor used during the procedure
Bonney Tissue Forceps			Any tissue forceps is suitable
Disposable scalper, #23			Any scalper is suitable
Disposable syringe needles, 18G x 1 1/2", 23G x 1"	BD	302814	Widely available
Disposable syringes, 10ml			Widely available
Electrosurgical unit - SS-501	WEM		For cutting and coagulation during thorax incision
Fentanyl			10 mcg/kg bolus + 10 mcg/kg/hour continuous infusion
Finochietto retractor			Any finochietto retractor is suitable
heparin			3ml
Infusion set			Any infusion set is suitable
Isoflurane			1.5%
Kelly Forceps Curved			Any kelly forceps is suitable
Ketamine			5mg/kg
Lactated Ringer solution			500ml
Mechanical ventilator - Servo I	Maquet	REF 6449701	Mechanical ventilator used in the procedure
Metzenbaum Scissor (Straight and curved)			Any metzenbaum scissor is suitable
Midazolam			0.25mg/kg
Orotracheal intubation cannula, #6.5	Rusch	112282	Widely available
Plexiglass			Custom made plexiglass box: 30x45x60cm

Polyester suture, 2-0			Widely available
Potassium chloride			10 ml, 19.1% potassium chloride.
propofol			5mg/kg
Three way stopcock			Widely available
Venous catheter, G20 x 1"	BD	38183314	Widely available