

Materials List for

Isolated Lung Perfusion System in the Rabbit Model

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Materials

Name	Company	Catalog Number	Comments
2-Stop Tygon E-Lab Tubing, 3.17 mm ID, 12/pack, Black/White	Hugo Sachs Elektronik (HSE)	73-1864	
Adapter for Positive Pressure Ventilation on IPL-4	Hugo Sachs Elektronik (HSE)	73-4312	
Adapter for Positive Pressure Ventilation on IPL-4	Hugo Sachs Elektronik (HSE)	73-4312	
Alternative Pressure-Free Gas Supply for IPL-4: To supply the trachea with gas mixture different from room air during negative ventilation	Hugo Sachs Elektronik (HSE)	73-4309	
Base Unit for the Rabbit to Fetal Pig Isolated Perfused Lung	Hugo Sachs Elektronik (HSE)	73-4138	
Bovine serum A2:D41albumin lyophilized powder	sigma	3912	500 g
Calcium chloride, CaCl ₂ ·2H ₂ O.	JT Baker	10035-04-8	
Cryogenic vials	Corning	430659	2 mL
D-glucosa, C ₆ H ₁₂ O ₆ .	sigma	G5767	
Differential Low Pressure Transducer DLP2.5, Range +- 2.5 cmH ₂ O, HSE Connector	Hugo Sachs Elektronik (HSE)	73-3882	
Differential Pressure Transducer MPX, Range +- 100 cmH ₂ O, HSE Connector	Hugo Sachs Elektronik (HSE)	73-0064	
Eppendorf tubes			
Ethanol absolute HPLC grade	Caledon		
Falcon tubes			14 mL
Harvard Peristaltic Pump P-230 (Complete with Control Box and P-230 Motor Drive)	Hugo Sachs Elektronik (HSE)	70-7001	
Heated Linear Pneumotachometer 0 to 10 L/min flow range	Hugo Sachs Elektronik (HSE)	59-9349	
Heater Controller for Single Pneumotachometer 230 VAC, 50 Hz	Hugo Sachs Elektronik (HSE)	59-9703	

Heparin	PISA		5000 UI
HPLC Column (C18 100A 5U)	Alltech	98121213	150 mm x 4.6 mm
Hydrophilic Syringe Filter	Millex	SLLGR04NL	4 mm
IPL-4 Core System for Isolated Rabbit to Fetal Pig Lung, 230	Hugo Sachs Elektronik (HSE)	73-4296	
IPL-4 Core System for Isolated Rabbit to Fetal Pig Lung, 230 V	Hugo Sachs Elektronik (HSE)	73-4296	
Jacketed Glass Reservoir for Buffer Solution, with Frit and Tubing, 6.0 L	Hugo Sachs Elektronik (HSE)	73-0322	
Lauda Thermostatic Circulator, Type E-103, 230 V/50 Hz, 3 L Bath Volume, Temperature Range 20 to 150°C	Hugo Sachs Elektronik (HSE)	73-0125	
Left Atrium Cannula for Rabbit with Basket, OD 5.9 mm	Hugo Sachs Elektronik (HSE)	73-4162	
Low Range Blood Pressure Transducer P75 for PLUGSYS Module	Hugo Sachs Elektronik (HSE)	73-0020	
Magnesium sulfate heptahydrate, MgSO ₄ ·7H ₂ O	JT Baker	10034-99-8	
Microcentrifuge Tube	Corning	430909	
Negative Pressure Ventilation Control Option with Pressure Regulator for IPL-4	Hugo Sachs Elektronik (HSE)	73-4298	
New Zealand rabbits			
PISABENTAL (Pentobarbital sodium)	PISA	Q-7833-215	
PLUGSYS Case, Type 603* 7	Hugo Sachs Elektronik (HSE)	73-0045	
PLUGSYS TCM Time Counter Module	Hugo Sachs Elektronik (HSE)	73-1750	
PLUGSYS Transducer Amplifier Module (TAM-A)	Hugo Sachs Elektronik (HSE)	73-0065	
PLUGSYS Transducer Amplifier Module (TAM-D)	Hugo Sachs Elektronik (HSE)	73-1793	
PLUGSYS VCM-4R Ventilation Control Module with Pressure Regulator	Hugo Sachs Elektronik (HSE)	73-1755	
Potassium chloride, KCl.	JT Baker	3040-01	
Potassium dihydrogen phosphate, KH ₂ PO ₄	JT Baker	7778-77-0	
PROCIN (Xylazine clorhydrate)	PISA	Q-7833-099	
Pulmonary Artery Cannula for Rabbit with Basket, OD 4.6 mm	Hugo Sachs Elektronik (HSE)	73-4161	
Scalpel knife			
Serotonin 5-HT			
Servo Controller for Perfusion (SCP)	Hugo Sachs Elektronik (HSE)	73-2806	
Snap Cap Microcentrifuge Tube	Costar	3620	1.7 mL
Sodium bicarbonate, NaHCO ₃	sigma	S6014	
Sodium chloride, NaCl.	sigma	S9888	
Surgical gloves No. 7 1/2			
Surgical gloves No. 8			
Taygon tubes	Masterflex		
Tracheal Cannula for Rabbit, OD 5.0 mm	Hugo Sachs Elektronik (HSE)	73-4163	