

Materials List for

Utilizing the Precision-Cut Lung Slice to Study the Contractile Regulation of Airway and Intrapulmonary Arterial Smooth Muscle

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jove.com/video/63932

Materials

Name	Company	Catalog Number	Comments
1 mL syringe	BD	309626	
15 mL sterile centrifuge tubes	Celltreat	229411	
3 mL syringe	BD	309585	
50 mL sterile centrifuge tubes	Celltreat	229422	
Acetyl-beta-methacholine	Millipore Sigma	62-51-1	
Antibiotic-anitmycotic	Thermo Fisher	15240-062	
CCD-camera	Nikon	Nikon Ds-Ri2 camera	
Cover glassess	Fisher Scientific	12-548-5CP; 12-548-5PP	
Cryogenic vials	Fisher Scientific	430488	
Custom-built laser scanning confocal microscope			Details in Reference 18
DMEM/F12	Fisher Scientific	MT-10-092-CM	
Endothelin 1	Millipore Sigma	E7764	
Fine dissecting scissor	Fisher Scientific	NC9702861	
Freezing container	Sigma-Aldrich	C1562	
Gelatin from porcine skin	Sigma-Aldrich	9000-70-8	
Hanks' Balanced Salt Solution (HBSS)	Thermo Fisher	14025092	
Hemostatic forcep	Fisher Scientific	16-100-117	
HEPES	Thermo Fisher	15630080	
High vaccum silicone grease	Fisher Scientific	146355d	
Isopropyl alcohol	Sigma-Aldrich	W292907-1KG-K	
Metal washers	Home Depot Product Authority	800442	Everbilt Flat Washers #10
Micro-dissecting forcep	Sigma-Aldrich	F4142	
Needle scalp vein set (25 G)	EXELINT	26708	
NOC-5	Cayman Chemical	16534	

Nylon mesh	Component Supply	U-CMN-300	
Oregon green 488 BAPTA-1 AM	Life Technologies	o-6807	
Phase-contrast microscope	Nikon	Nikon Eclipse TS 100	
Pluronic F-127	Thermo Fisher	P-6867	
Razor blades	Personna		Personna Double Edge Razor Blades in White Wrapper 100 count
Sulfobromophthalein	Sigma-Aldrich	S0252	
Superglue	Krazy Glue		Krazy Glue, All purpose
Ultrapure low melting point agarose	Thermo Fisher	16520050	
Vibratome	Precisionary	VF 310-0Z	
Vibratome chilling block	Precisionary	SKU-VM-CB12.5-NC	
Vibratome specimen tube	Precisionary	SKU VF-SPS-VM-12.5-NC	
Y shaped IV catheter	BD	383336	BD Saf-T-Intima closed IV catheter