

A Fluorescence Assay for Evaluating the Permeability of a Cardiac Microvascular Endothelial Barrier in a Rat Model of Ischemia/reperfusion

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Materials

Name	Company	Catalog Number	Comments
16 G Angiocather	Becton Dickinson, USA	2089312	
3-0 polypropylene suture, taper needle	Ethicon, USA	KGP693	
4',6-diamidino-2-phenylindole (DAPI)	Invitrogen, USA	D3571	Alternative to Mounting medium with DAPI
6-0 polypropylene suture, round needle	Ethicon, USA	KGJ656	
Adhesive Microscope Slides	CITOTEST, China	188105	
ALC-V8S Ventilator	Shanghai Alcott Biotech, China	ALC-V8S	
Constant Temperature Warming System	Shanghai Alcott Biotech, China	ALC-HTP203	
Dissecting Forceps-Large Cvd	RWD life Science, China	F12007-10	
Dissecting Forceps-Str	RWD life Science, China	F12005-10	
FITC-dextran, 70,000Da	Sigma-Aldrich, USA	53471	
Hair Removal Cream	Nair, USA	N/A	
Insulin Syringe, 1ml	Becton Dickinson, USA	8155672	
Microneedle holders	RWD life Science, China	F31047-12	
Mosquito Forceps-Cvd	RWD life Science, China	F22007-12	
Mounting medium with DAPI	ZSGB-BIO, China	ZLI-9557	
Multi-position Fiber Optic Illuminator System	RWD life Science, China	76301	
Operating Scissors	RWD life Science, China	S14014-12	
Pannoramic SCAN	3DHISTECH, Budapest, Hungary	SC150-211305	Alternative slide scan to Vectra Polaris
Phenochart 1.0.8	PerkinElmer, USA	N/A	Slide viewer software

Phosphate buffered saline	HyClone, USA	SH30256.01	
Retractors, 30mm Spread, 5cm	RWD life Science, China	F22005-45	
SP8 Confocal microscope	Leica, German	TCS-SP8 SR	Alternative to Vectra Polaris
Surgical tape	3M, USA	1527C-0	
Tissue-Tek O.C.T. Compound	SAKURA, Japan	0822-00	
Tongxinluo superfine powder	Yiling, China	Z19980015	
Ultraviolet Freezing Slicer	Leica, German	CM1950	
Vectra Polaris 1.0.7 software	PerkinElmer, USA	N/A	Slide scan software
Vectra Polaris Quantitative Slide Scanner	PerkinElmer, USA	VP1814N1068	