

Materials List for:

Analysis of Coronary Vessels in Cleared Embryonic Hearts

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Materials

Name	Company	Catalog Number	Comments
PBS	Life Technologies	14190-094	
Forceps	FST	11251-30	
10 cm Petri dishes	Falcon	351029	
35 mm Petri dishes	Sigma	P5112	
Stainless steel minuten pins 0.2 mm diameter	FST	26002-20	
Fine tip pastettes	Alpha Laboratories	LW4061	
1,000 ml pipette tips	Sorenson	34000	
48-well plate	Falcon	353078	
Kwik-Gard	World Precision Instrument	KWIKGARD	Silicone elastomer Sylgard184 packaged in a cartridge for mixing and dispensing
Kwik-Gard refill	World Precision Instrument	KWIKGLUE	Refill cartridges and dispensing tips
Paraformaldehyde	Sigma	P6148	Make up in PBS and store at -20 °C
100% methanol	VWR	20847307	
Tween@20	Sigma	P1379	
Goat serum	Sigma	G9023	
Anti-PECAM1 antibody, rat anti-mouse	BD Pharmingen	553370	Primary antibody, dilute 1 in 50
Anti-CD31 polyclonal, rabbit polyclonal	Abcam	ab28364	Primary antibody, dilute 1 in 50
Anti-CD31/PECAM1 clone 2H8, armenian hamster monoclonal	Thermo Fisher Scientific	MA3105	Primary antibody, dilute 1 in 400
Endomucin antibody (V.7C7), rat monoclonal	Santa Cruz Biotechnology	sc-65495	Primary antibody, dilute 1 in 50
Anti-SM22 alpha antibody, rabbit polyclonal	Abcam	ab14106	Primary antibody, dilute 1 in 250
Goat anti-rat IgG (H+L)Alexa Fluor 594	Thermo Fisher Scientific	A11007	Secondary antibody, dilute 1 in 500
Goat anti-rabbit IgG (H+L)Alexa Fluor 594	Thermo Fisher Scientific		Secondary antibody, dilute 1 in 500
Goat anti-Armenian Hamster IgG (H+L)Alexa Fluor 488	Abcam	ab173003	
Goat anti-rat IgG (H+L)Alexa Fluor 488	Thermo Fisher Scientific	A21208	Secondary antibody, dilute 1 in 500
Phenolic screw cap	Wheaton	240408	
Benzyl alcohol	Sigma	402834	

Benzyl benzoate	Sigma	B6630	
Imaris	Bitplane Imaging	image analysis software	
ImageJ software	NIH	Freeware	