

Materials List for

Injection of Microbubbles into Isolated Mouse Embryos: A Technique to Deliver Microbubble Contrast Agents into the Vasculature of Living Murine Embryos

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Materials

Name	Company	Catalog Number	Comments
Ice			
0.9% sodium chloride (saline)	Hospira	0409-7984-11	
Phosphate Buffered Saline [1x]	Sigma	D8537	1x, w/o calcium chloride & magnesium chloride
Ultrasound contrast agent, target ready and untargeted	MicroMarker; VisualSonics Inc.		
Ultrasound gel (Aquasonic 100, colourless)	CSP Medical	133-1009	
Ice bucket	Cole Parmer	RK 06274-01	
Imaging Platform	VisualSonics Inc.	Integrated Rail System	
Light source, fiber-optic	Fisher Scientific	12-562-36	Ideally has adjustable arms
Luers (12), polypropylene barbed female 1/4-28 UNF thread	Cole Parmer	45500-30	
Micro-ultrasound system, high-frequency	VisualSonics Inc.	Vevo2100	
Needles, 21 gauge (1")	VWR	305165	
Perforated spoon (Moria)	Fine Science Tools	MC 17 10373-17	
Pins (6), black anodized minuten 0.15 mm	Fine Science Tools	26002-15	
Syringes, 1 mL Normject	Fisher	14-817-25	
Syringe infusion pump	Bio-lynx	NE-1000	
Pipettors [2-20 µL, 20-200 µL, 100-1,000 µL]	Eppendorf	Research Plus adjustable 3120000038; 3120000054; 3120000062	
Pipettor tips [2-200 µL, 50-1,000 µL]	Eppendorf	epT.I.P.S. 22491334; 022491351	
Scissors			
Glass capillaries, 1 x 90 mm GD-1 with filament	Narishige	GD-1	
Glass needle puller	Narishige	PN-30	
Tubes, Eppendorf	VWR	20170-577	
Tube racks (3)	VWR	82024-462	
Hot plate	VWR	89090-994	
Syringes (10), 30 mL	VWR	CA64000-041	
Ultrasound transducer, 20 MHz	VisualSonics Inc.	MS250	