

Materials List for:

Introduction to the Ultrasound Targeted Microbubble Destruction Technique

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Materials

Name	Company	Catalog Number	Comments
1,2-dipalmitoyl-sn-glycero-3-phosphatidylcholine	Sigma-Aldrich	P-5911	component of the microbubble lipid shell
1,2-dipalmitoyl-sn-glycero-3-phosphatidylethanolamine	Sigma-Aldrich	P-3275	component of the microbubble lipid shell
glucose	Sigma-Aldrich	G5400	thought to stabilize the microbubbles
phosphate-buffered saline	Sigma-Aldrich	P5368	
glycerol	Sigma-Aldrich	G5516	believed to prevent microbubbles from coalescing
Octafluoropropane gas	Airgas	N/A	inert gas used in clinical applications
VialMix dental amalgamator	Bristol-Myers Squibb	N/A	
1 MHz, 13mm, unfocused transducer	Olympus Corporation	A303S-SU	
20 MHz Function/Arbitrary Waveform Generator	Agilent Technologies	33220A	
Power Amplifier	Krohn-Hite Co.	Model 7500	
Hydrophone	Brüel and Kjær	Type 1803	
Charge Amplifier	Brüel and Kjær	Type 2634	
500 MHz Oscilloscope	LeCroy	9354L	
VisualSonics' Vevo 2100 Imaging System with 34 MHz transducer	VisualSonics, inc.	2100	
27G one inch tail vein catheters	VisualSonics, inc.	N/A	
Genie Plus infusion pump	Kent Scientific	GENIE	