

Materials List for:

Contrast Ultrasound Targeted Treatment of Gliomas in Mice via Drug-Bearing Nanoparticle Delivery and Microvascular Ablation

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Materials

Name	Company	Catalog Number	Comments
ApoptTag kit	Intergen Co.	S7110	
un-capped 85:15 poly(lactic-co-glycolic acid) (PLAGA)	Lakeshore Biomaterials	Custom	
Vivo Tag 680	VisEn Medical	10120	Used to Tag BSA
Poly(vinyl alcohol)	Sigma-Aldrich	363136	
MicroTip Sonicator	Misonix	S-4000	
Sequoia	Simons Medical	P.O.A	Equipped with CPS
FreeZone 2.5	Labconco Corp.	7670020	Equipped with Nitrogen Trap
Methylene chloride (CH ₂ Cl ₂)	Fisher Scientific	D37-500	
FMT 250	VisEn Medical	P.O.A	
F-12K Nutrient Mixture	GIBCO, by Life Technologies	21127-022	
polyethyleneglycol-40 stearate	Sigma-Aldrich	9004-99-3	
distearoyl phosphatidylcholine	Avanti Polar Lipid, Inc	770365	
Multisizer Coulter Counter	Beckman Coulter Inc.	P.O.A	
Waveform Generator	Tektronix, Inc.	AFG-310	
water-based ultrasound gel	Parker Laboratories Inc.	Aquasonic 100	
Infusion pump	Harvard Apparatus	Harvard Apparatus PHD 2000	
1-Ethyl-3-(3-dimethylaminopropyl)-carbodiimide (EDC)	Pierce, Thermo Scientific	25952-53-8	
N-hydroxysulfosuccinimide (Sulfo-NHS)	Pierce, Thermo Scientific	106627-54-7	
Succinic anhydride	Sigma-Aldrich	603902	
Power Amplifier	Electronic Navigation Industries	ENI 3100LA	
Needle Thermocouple Probe	Omega Engineering, Inc.	HYP1-30-1/2-T-G-60-SMPW-M	
BioGel (P100, medium)	Bio-Rad	150-4170	
.75" diameter 1 MHz unfocused transducer	Panametrics	A314S	