

Materials List for:

Protocols for Assessing Radiofrequency Interactions with Gold Nanoparticles and Biological Systems for Non-invasive Hyperthermia Cancer Therapy

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Materials

Name	Company	Catalog Number	Comments
Reagent/Material			
500 ml gold nanoparticles (5 nm)	Ted Pella, INC	15702-5	
Amicon Ultra-4/-15 Centrifugal Filter Units (50 kDa)	Millipore	UFC805024/UFC910096	(4 ml and 15 ml volumes)
MEM X1 Cell Culture Media	Cellgro	10-101-CV	(add extra nutrients as necessary)
Fetal Bovine Serum	Sigma	F4135-500 ml	
Copper Tape	Ted Pella	16072	
Equipment			
Kanzius RF System (13.56 MHZ)	ThermMed, LLC, Inc. (Erie, PA, USA)		
IR Camera	FLIR SC 6000, FLIR Systems, Inc. (Boston, MA, USA)	Contact FLIR	
1.3 ml Quartz Cuvette	ThermMed, LLC, Inc. (Erie, PA, USA)		
Teflon Sample holder with Rotary Stage	ThermMed, LLC, Inc. (Erie, PA, USA)		
SPECTROstar Nano Microplate reader	BGM Labtech		
UV-Vis spectrometer	Applied Nanofluorescence, Houston, TX)	NS1 NanoSpectralyzer	
ICP—S	PerkinElmer	Optima 4300 DV	
Zetasizer	Malvern	Zen 3600 Zetasizer	