

Materials List for

# In Vitro and In Vivo Delivery of Magnetic Nanoparticle Hyperthermia using a Custom-Built Delivery System

Kayla E. A. Duval<sup>1</sup>, James D. Petryk<sup>2</sup>, P. Jack Hoopes<sup>1,2</sup>

<sup>1</sup>Thayer School of Engineering, Dartmouth College <sup>2</sup>Geisel School of Medicine, Dartmouth College

## Corresponding Author

Kayla E. A. Duval

Kayla.Duval.TH@dartmouth.edu

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jove.com/video/61413

## Materials

Name	Company	Catalog Number	Comments
.25% Trypsin	Corning	45000-664	available from many companies
1.5 mL tubes	Eppendorf	Eppendorf 22363204	available from many companies
B16F10 murine melanoma cells	American Type Culture Collection	CRL-6475	
C57/Bl6 mice	Charles river	027C57BL/6	6-week-old female mice
Chiller	Thermal Care	NQ 5 series	chiller that cools the coil
Coolant fluid	Dow Chemical Company	Dowtherm SR-1	antenna cooling fluid
Fetal Bovine serum	Hyclone	SH30071	available from many companies
fiber optic probes, software and chassis	FISO		FISO evolution software used to read the temperatures
IR camera	Flir		infrared camera to monitor unintentional heating
iron oxide nanoparticles	micromod Partikeltechnologie GmbH	Bionized NanoFerrite	dextran coated iron oxide nanoparticles
mouse coil, solenoid	Fluxtrol	custom built	
penicillin/streptomycin	Corning	45000-652	available from many companies
RF generator	Huttinger	TIG 10/300	power source
RPMI media	Corning	45000-396	available from many companies