

Materials List for:

Custom-designed Laser-based Heating Apparatus for Triggered Release of Cisplatin from Thermosensitive Liposomes with Magnetic Resonance Image Guidance

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URL: <https://www.jove.com/video/53055>

DOI: [doi:10.3791/53055](https://doi.org/10.3791/53055)

Materials

Name	Company	Catalog Number	Comments
Rotary evaporator	Heidolph Instruments GmbH & Co.KG	Laborota 4000	
High pressure extruder	Northern Lipids Inc.	T.001	10 ml thermobarrel
Heating circulator	VWR International LLC.	11305	Connected to extruder
Polycarbonate membrane filter	Whatman	110605;110606	
Differential scanning calorimeter (DSC)	TA Instruments	Q100	
Inductively coupled plasma-atomic emission spectrometer (ICP-AES)	PerkinElmer	Optima 7300DV	
Zetasizer	Malvern Instruments Ltd.	Nano-ZS	
Cell incubator	NuAire Inc.	NU-5800	
Autoclip wound clip applier	Becton Dickinson	427630	
Autoclip wound clip remover	Becton Dickinson	427637	
Wound clips	Becton Dickinson	427631	9 mm
763 nm Laser device	Biolitec	Ceralas CD 403 laser	
Laser probe	Thorlabs Inc.	FT400EMT	With SMA and flat cleave connectors
Spectralon (illuminator)	Labsphere Inc.	FAST-SL-5CMX5CM	
		CSTM-SL-5CMX5CM	
7 Tesla preclinical magnetic resonance (MR) imaging system	Bruker Corporation	Biospec 70/30	
Fiber optic temperature sensor	LumaSense Technologies Inc.	Luxtron FOT Lab Kit	
Integrating sphere	Newport Corporation	819C	
Optical power meter	Newport Corporation	1830-R	