

Materials List for:

Preparation and 3D Tracking of Catalytic Swimming Devices

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Materials

Name	Company	Catalog Number	Comments
Evaporator	Moorfield (UK)		Minilab 80 e-beam evaporator
Microscope	Nikon		Eclipse LV100
Fluorescence light source	Nikon		Nikon B2A filter cube
Objective	Nikon		20X, 0.45 NA
Cuvette	Hellma		fused quartz, 40 x 10 x 1 mm
Vortex mixer	IKA		Lab Dancer S2
Spin coater	Laurell Technologies Corp.		Model WS-400BZ-6NPP/Lite
Ultrasonic bath	Eumax		2 liter
Lens tissue	Whatman	2105 841	
Hydrogen Peroxide	Sigma-Aldrich	31642-1L	30 wt%
Platinum	Sigma-Aldrich	267171	0.25 mm, 99.99%
Colloids	Thermo Scientific		Fluoro-Max PS microspheres, d = 1.9 microns
Glass decontamination solution	Fisher Scientific	D/0025/15	Decon 90
Ethanol	Fisher Scientific	E/0600DF/17	Absolute Ethanol
DI water	Elga		Purelab Option filtration system (15 MW)
Gellan gum	Sigma-Aldrich	P8169-100G	"Phytigel"