

Materials List for:

Aqueous Droplets Used as Enzymatic Microreactors and Their Electromagnetic Actuation

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Materials

Name	Company	Catalog Number	Comments
3D-printer	FelixPrinters	Pro1	
10-acetyl-3,7-dihydroxyphenoxazine (Amplex Red)	Life Technologies	A12222	
Ammonium hydroxide	TU-KL	1072	
CAD software	Siemens	Soled edge	
Contact angle measuring device	Dataphysics	OCA 20	
Cylinder magnet	Webcraft GmbH	S-04-13-N	https://www.supermagnete.de/stabmagnete-neodym-rund/stabmagnet-durchmesser-4mm-hoehe-12.5mm-neodym-n42-vernickelt_S-04-13-N
Dipotassium phosphate	Bernd Kraft	7758-11	
Drying oven	Binder	FD 115	
Ethanol	Sigma-Aldrich	68-17-5	
FeCl ₂ tetrahydrate	TU-KL	1625	
FeCl ₃ hexahydrate	TU-KL	1622	
Fluorescence probe	PerkinElmer	LS 55	
Horseradish peroxidase	Carl Roth	9003-99-0	
Hydrogen peroxide	Th.Geyer GmbH & Co	7722-84-1	
Monopotassium phosphate	Bernd Kraft	7778-77-0	
Peltier element	Conrad	193569	
Perfluorooctyltriethoxysilane	Sigma-Aldrich	51851-37-7	
Scanning Electron Microscope	FEI	Helios NanoLab 650 DualBeam	
Separation bar magnet	Webcraft GmbH	Q-40-20-10-N	
Winding machine	IWT GmbH	FW122	