

Materials List for:

Microwave-driven Synthesis of Iron Oxide Nanoparticles for Fast Detection of Atherosclerosis

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Materials

Name	Company	Catalog Number	Comments
Microwave Explorer/Discover Hybrid-12	CEM Corporation, USA		Any microwave for chemical synthesis can be used
Disposable PD-10 desalting columns	GE Healthcare life sciences	17-0851-01	Any size exclusion column will work
Amicon®Ultra-0.5 ml	Merck Millipore Ltd		
Calibrated pH meter	SI analytics	285105127	
Neodymium magnet	Aiman Gz	ND010B	
Vortex Genius 3	IKA	3340000	
ZetaSizer Nano ZS	Malvern Instruments		
Standard (macro) cell Optical glass	Labbox	11718	
Zetasizer nanoseries disposable folded capillary cells DTS1070	Malvern		
Bruker Minispec mq60	Bruker		