

Materials List for

Synthesis of Functionalized Magnetic Nanoparticles, Their Conjugation with the Siderophore Feroxamine and its Evaluation for Bacteria Detection

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Materials

Name	Company	Catalog Number	Comments
1-Hydroxybenzotriazole hydrate HOBt	Acros	300561000	
2,2'-Bipyridyl	Sigma Aldrich	D216305	
3-Aminopropyltriethoxysilane 99%	Acros	151081000	
Ammonium hydroxide solution 28% NH ₃	Sigma Aldrich	338818	
Benzotriazol-1-yloxytris(dimethylamino)-phosphonium hexafluorophosphate BOP Reagent	Acros	209800050	
Benzyl alcohol	Sigma Aldrich	822259	
Deferoxamine mesylate salt >92,5% (TLC)	Sigma Aldrich	D9533	
Ethanol, anhydrous, 96%	Panreac	131085	
Ethyl Acetate, Extra Pure, SLR, Fisher Chemical			
Iron(III) acetylacetonate 97%	Sigma Aldrich	F300	
LB Broth (Lennox)	Sigma Aldrich	L3022	
N,N-Diisopropylethylamine, 99.5+%, AcroSeal	Acros	459591000	
N,N-Dimethylformamide, 99.8%, Extra Dry, AcroSeal	Acros	326871000	
Pyridine, 99.5%, Extra Dry, AcroSeal	Acros	339421000	
Sephadex LH-20	Sigma Aldrich	LH20100	
Succinic anhydride >99%	Sigma Aldrich	239690	

Tetraethyl orthosilicate>99,0%	Sigma Aldrich	86578	
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