

Materials List for:

# Synthesis, Characterization, and Application of Superparamagnetic Iron Oxide Nanoprobcs for Extrapulmonary Tuberculosis Detection

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URL: <https://www.jove.com/video/58227>

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## Materials

Name	Company	Catalog Number	Comments
(benzotriazol-1-yloxy) tripyrrolidinophosphonium hexafluorophosphate	Sigma-Aldrich		
1-hydroxybenzotriazole	Sigma-Aldrich		
dextran(T-40)	GE Healthcare Bio-sciences AB		
epichlorohydrin, 2,2'-(ethylenedioxy)bis(ethylamine)	Sigma-Aldrich		
ferric chloride hexahydrate	Fluka		
ferrous chloride tetrahydrate	Fluka		
Human monocytic THP-1			
M. bovis BCG	Pasteur Mérieux	Connaught strain; ImmuCyst Aventis	
MRI	GE medical Systems	3.0-T, Signa	
NH <sub>4</sub> OH	Fluka		
NMR relaxometer	Bruker	NMS-120 Minispec	
Sephacryl S-300	GE Healthcare Bio-sciences AB		
Sephadex G-25	GE Healthcare Bio-sciences AB		
SPECTRUM molecular porous membrane tubing, 12,000 -14,000 MW cut off	Spectrum Laboratories Inc		
TB surface antibody- Polyclonal Antibody to Mtb	Acris Antibodies GmbH	BP2027	
transmission electron microscope	JEOL	JEM-2000 EX II	