

Materials List for:

Labeling hESCs and hMSCs with Iron Oxide Nanoparticles for Non-Invasive in vivo Tracking with MR Imaging

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Materials

Name	Type	Company	Catalog Number	Comments
D-MEM High Glucose	Reagent	Sigma-Aldrich	D5648	
Gelatin	Reagent	Sigma-Aldrich	G1890	dilute Gelatin in PBS to final concentration of 0.1 %
PBS (Ca++ Mg++ freed)	Reagent	GIBCO, by Life Technologies	14190-144	
Trypsin-EDTA 0.05%	Reagent	Invitrogen	25300-120	
Trypsin-EDTA 0.25%	Reagent	Invitrogen	25200-114	
FBS characterized	Reagent	Hyclone	SH30071.03	
Cell Strainer (40 µm Nylon)	Tool	BD Biosciences	352340	
Knockout DMEM	Reagent	GIBCO, by Life Technologies	10829018	
Knockout Serum Replacer	Reagent	GIBCO, by Life Technologies	10828028	
b-Mercapt–thanol	Reagent	Sigma-Aldrich	7522	
non-essential amino acids	Reagent	GIBCO, by Life Technologies	11140050	
FGF-2	Reagent	R&D Systems	233-FB-025	
Glutamine	Reagent	GIBCO, by Life Technologies	25030081	
Penicillin/Streptomycin	Reagent	GIBCO, by Life Technologies	15140-122	
Ferumoxides (Endorem)	Reagent	Guerbet		
Ferucarbotran (Resovist®)	Reagent	Bayer AG		