

Materials List for:

# Labeling Stem Cells with Fluorescent Dyes for non-invasive Detection with Optical Imaging

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URL: <https://www.jove.com/video/686>

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## Materials

Name	Type	Company	Catalog Number	Comments
Indocyanine Green (IR-125)	Reagent	Fisher Scientific	AC41254-1000	
DMSO	Reagent	Sigma-Aldrich	D-2650	
D-MEM High Glucose	Reagent	Sigma-Aldrich	D5648	
Gelatin	Reagent	Sigma-Aldrich	G1890	Dilute to final concentration of 0.1% in PBS
PBS, Mg and Ca free	Reagent	GIBCO, by Life Technologies	14190-144	
Trypsin-EDTA 0.05%	Reagent	Invitrogen	25300-120	
Trypsin-EDTA 0.25%	Reagent	Invitrogen	25200-114	
FCS, characterized	Reagent	Hyclone	SH30071.03	
Cell Strainer (40 µm Nylon)	Reagent	BD Biosciences	352340	
DiD	Reagent	Molecular Probes, Life Technologies	V-22887	
Knockout DMEM	Reagent	GIBCO, by Life Technologies	10829018	
Knockout Serum Replacer	Reagent	GIBCO, by Life Technologies	10828028	
b-Mercapt-ethanol	Reagent	Sigma-Aldrich	7522	
Non-essential Amino Acids	Reagent	GIBCO, by Life Technologies	11140050	
FGF-2	Reagent	R&D Systems	233-FB-025	
Glutamine 200mM	Reagent	GIBCO, by Life Technologies	25030081	
Penicillin/Streptomycin	Reagent	GIBCO, by Life Technologies	15140-122	
Protamine Sulfate	Reagent	American Pharmaceutical Partners		