

Materials List for:

A Three-dimensional Tissue Culture Model to Study Primary Human Bone Marrow and its Malignancies

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Materials

Name	Company	Catalog Number	Comments
CellTrace CFSE proliferation kit-for flow cytometry	Invitrogen/Life Technologies	C34554	
Fibronectin from human plasma	Millipore	NG1884448	
Ficoll-Paque PLUS	GE Lifesciences	17-1440-02	
Matrigel basement membrane matrix	BD Biosciences	354234	
Rat tail collagen type I	BD Biosciences	354249	Collagen I from Millipore does not polymerize properly using this protocol
VECTASHIELD mounting medium for fluorescence (regular set)	Vector Laboratories	H-1000	
SigmaFast Red TR/Naphthol AS-MX tablets	Sigma-Aldrich	F4648	For TRAP staining
SigmaFast BCIP/NBT tablets	Sigma-Aldrich	B5655	For alkaline phosphatase staining
Zeiss confocal LSM 510 microscope	Carl Zeiss		
Zeiss 510 software	Carl Zeiss		Image analysis software for confocal analysis
Zeiss Axiovert 200M inverted microscope	Carl Zeiss		
MetaMorph software	Molecular Devices		Image analysis software for Axiovert 200M
FACSort flow cytometer	BD Biosciences		
CellQuest Pro software	BD Biosciences		Software for the analysis of flow cytometry data