

Materials List for:

# Methods for Culturing Human Femur Tissue Explants to Study Breast Cancer Cell Colonization of the Metastatic Niche

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## Materials

Name	Company	Catalog Number	Comments
DMEM (1X) + GlutaMAX-I	Life Technologies	10569-010	Supplement all DMEM with 10% fetal bovine serum and 1% Pen/Strep
McCoy's 5A Medium (1X)	Life Technologies	16600-082	Supplement all McCoy's with 10% fetal bovine serum and 1% Pen/Strep
Fetal bovine serum	Life Technologies	16000-044	
Penicillen Streptomycin	Life Technologies	15140-122	
Blastocidin (10 mg/ml)	InvivoGen	ant-bl	Supplement media used for transfected cell lines.
Falcon® Cell Culture Inserts for 24 Well Plate with Transparent PET Membrane (8.0 µm pore size)	Corning Incorporated	353097	
Falcon® 24 Well TC-Treated Polystyrene Cell Culture Insert Companion Plate	Corning Incorporated	353504	
LIVE/DEAD Viability/Cytotoxicity Kit *for mammalian cells*	Invitrogen Detection Technologies	L-3224	
FluoroBrite DMEM	Life Technologies	A18967-01	
D-luciferin firefly, potassium salt 5 g (30 mg/ml)	Life Technologies	L-8220	
Sterile Cell Strainer 70 µm	Fisher Scientific	22363548	
6 Well TC-Treated Cell Culture Cluster	Corning Incorporated	3516	
12 Well TC-Treated Cell Culture Cluster	Corning Incorporated	3513	
24 Well TC-Treated Cell Culture Cluster	Corning Incorporated	3526	
Friedman-Pearson Rongeur	Fine Science Tools	16021-14	
Bone wax	Surgical Specialties Corporation	903	
IVIS 50 Imaging Platform	Caliper Life Sciences/PerkinElmer		
Living Image Software Program	Caliper Life Sciences/PerkinElmer	133026	
EVOS FL Imaging System	Life Technologies	Version 4.2	
OsteoSense 680 EX	PerkinElmer	NEV10020EX	
MCF-7 breast cancer cells	ATCC	HTB-22	
MDA-MB-231 breast cancer cells	ATCC	HTB-26	
Monoclonal mouse anti-human cytokeratin antibody	DAKO Cytomation	Clone (AE1/AE3)	