

Materials List for:

Modeling Chemotherapy Resistant Leukemia *In Vitro*

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Materials

Name	Company	Catalog Number	Comments
G10 sephadex beads	Sigma	G10120	Referred to in manuscript as gel type 10 cross-linked dextran particles
10 ml sterile syringe	BD	309604	
Glass wool	Pyrex	3950	
1-way stopcocks	World Precision Instruments, Inc.	14054-10	
50 ml conical centrifuge tubes	World Wide Medical Products	41021039	Used as collection tubes
15 ml conical centrifuge tubes	World Wide Medical Products	41021037	Used for cell collection
Fetal Bovine Serum	Sigma	F6178	
0.05% Trypsin	Mediatech, Inc.	25-053-CI	
100 x 20 mm Cell Culture Dishes	Greiner Bio-One	664160	
Culture media			
Osteoblast culture media	PromoCell	C-27001	For human osteoblast media
RPMI 1640 media	Mediatech, Inc.	15-040	For tumor media preparation
Cell lines			
Adherent Cells:			
Human Osteoblasts	PromoCell	C-12720	Human osteoblast were cultured according to the supplier's recommendations.
Human Bone Marrow Stromal Cells	WVU Biospecimen Core		De-identified primary human leukemia and bone marrow stromal cells (BMSC) were provided by the Mary Babb Randolph Cancer Center (MBRCC) Biospecimen Processing Core and the West Virginia University Department of Pathology Tissue Bank. BMSC cultures were established as previously described (*)
Leukemic Cells:			
REH	ATCC	ATCC-CRL-8286	REH cells were cultured according to the supplier's recommendations and recommended media.
SD-1	DSMZ	ACC 366	SD-1 were cultured according to the supplier's recommendations and recommended media.

(*) Gibson LF, Fortney J, Landreth KS, Piktel D, Ericson SG, Lynch JP. Disruption of bone marrow stromal cell function by etoposide. *Biol Blood Marrow Transplant J Am Soc Blood Marrow Transplant.* 1997 Aug;3(3):122-32.