

Materials List for:

Analyzing the Communication Between Monocytes and Primary Breast Cancer Cells in an Extracellular Matrix Extract (ECME)-based Three-dimensional System

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Materials

Name	Company	Catalog Number	Comments
U937	American Type Culture Collection ATCC	CRL-1593.2	Monocytic cell line/histiocytic lymphoma
THP-1	American Type Culture Collection ATCC	TIB-202	Monocytic cell line/acute monocytic leukemia
MCF-10A	American Type Culture Collection ATCC	CRL-10317	Non-transformed breast cell line
MCF-7	American Type Culture Collection ATCC	HTB-22	Breast Cancer Cell line
T47D	American Type Culture Collection ATCC	HTB-133	Breast Cancer Cell line
HS578T	American Type Culture Collection ATCC	HTB-126	Breast Cancer Cell line
MDA-MB-231	American Type Culture Collection ATCC	HTB-26	Breast Cancer Cell line
RPMI 1640 medium	GIBCO BRL Life Technologies	11875-093	
DMEM High Glucose	GIBCO BRL Life Technologies	11964-092	4.5 g/L glucose
DMEM/F12	GIBCO BRL Life Technologies	11039-021	
Antibiotic/Antimycotic	GIBCO BRL Life Technologies	15240-062	100 U/mL penicillin, 100 µg/mL streptomycin, and 0.25 µg/mL Fungizone
Fetal Bovine Serum	GIBCO BRL Life Technologies	16000-044	
Horse serum	GIBCO BRL Life Technologies	16050114	
0.05% Trypsin-EDTA 1X	GIBCO BRL Life Technologies	25300-062	
PBS 1X (Phosphate Buffered Saline)	GIBCO BRL Life Technologies	20012-027	
Epidermal Growth Factor (EGF)	PeptoTech	AF-100-15 (1.00mg)	
Insulin	SIGMA-ALDRICH	I1882-100MG	
Hydrocortisone	SIGMA-ALDRICH	H088-5G	
Cholera toxin Vibrio cholerae	SIGMA-ALDRICH	C8052-1MG	
Matrigel	Corning Inc	356237	Engelbreth-Holm-Swarm (EHS) mouse sarcoma, extracellular matrix extract, Store at -20°C until use at 4°C
GM-CSF	PeptoTech	300-03	
MCP-1	PeptoTech	300-04	

RANTES	PeptoTech	300-06	
IL-8	PeptoTech	200-08	
IL-1 β	PeptoTech	200-01B	
Crystal-violet	Hyclé M�xico	541	
Paraformaldehyde	SIGMA-ALDRICH	P6148	
Transwell permeable supports (inserts)	Corning Inc	3422	6.5 mm diameter, 8 μ m pore size/24-well plates
Transwell permeable supports (inserts)	ThermoFisher Scientific	140620	6.5 mm diameter, 0.4 μ m pore size/24-well plates
Monocyte Isolation Kit II Human	Miltenyi Biotec	130-091-153	
LS Columns	Miltenyi Biotec	130-042-401	
Human Cytokine/Chemokine Magnetic Bead Panel Kit 96 Well Plate Assay	EMD Millipore	HCYTOMAG-60K	
Magpix with xPonent software (laser based fluorescent analytical test instrumentation)	Luminex Corporation	40-072	
Lab-Tek chamber slide with cover (8 well)	Nalge Nunc International	177402	
Glass bottom microwell 35mm petri dishes	MatTek Corp.	P35G-1.5-14-C	