Materials List for:

Generation of High-Throughput Three-Dimensional Tumor Spheroids for Drug Screening

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Materials

Name	Company	Catalog Number	Comments
Reagents			
DMEM Dulbecco's Modified Eagle Media (DMEM)/F12	ATCC	30-2006	Purchased as a prepared solution. This reciepe was found to be preferred compared to other vendors.
DMEM Dulbecco`s Modified Eagle Media (DMEM)/F12	Lonza	12-604F	Purchased as a prepared solution.
Roswell Park Memorial Institute (RPMI)	Lonza	12-115Q	Purchased as a prepared solution.
Fetal Bovine Serum (FBS)	Seradigm	1500-500	Purchased as a prepared solution.
1x 0.25% Trypsin with Ethylenediaminetetraacetic acid (EDTA)	Hyclone	SH30042.01	Purchased as a prepared solution.
1x Penicillin/Streptomycin	Gibco	15140	Purchased as a prepared solution.
10 ng/mL Human basic Fibrobast Growth Factor (bFGF)	Sigma	F0291	Resuspend in sterile water.
20 ng/mL Human Epidermal Growth Factor (EGF)	Sigma	E9644	Resuspend in sterile water.
0.4% Bovine Serum Albumin (BSA)	Sigma	A9418	Resuspend in sterile PBS and filter.
1x Insulin Transferrin Selenium (ITS)	Gibco	51500056	
1% KnockOut (KO) Serum Replacement	Gibco	10828-028	Add fresh right before use.
100% Dimethyl sulfoxide (DMSO)	Sigma	276855-100ML	
CellTiter-Glo	Promega	G7573	Purchased as a prepared solution.
Consumables			
Small Combi Cassette	ThermoFisher	24073295	
Small Multiflow Cassette	BioTek	294085	
1536-well sterile TC plates (white)	Corning	3727	
1536-well sterile TC plates (black)	Corning	3893	
Scivax Plates	MBL International	NCP-LH384-10	
Equipment			
Adhesives seals	ThermoFisher	AB0718	
Spinning Incubator	LiCONiC		
Stainless Steel Lids	The Genomics Institute of Novartis Research Foundation (GNF)		
ATS Acoustic Dispensor	EDS Biosystems		

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Echo Acoustic Dispensor	Labcyte	
Luminometer	Envision-Perkin Elmer	
Peristaltic Pump- Multidrop Combi	ThermoFisher	
Liquid Handler-Multiflow FX	BioTek	