

Materials List for:

The Soft Agar Colony Formation Assay

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Materials

Name	Company	Catalog Number	Comments
Cancer Cell Line of Interest	Sigma-Aldrich	10032302	CMT-167 Cells
Powdered RPMI 1640 Medium	Gibco	31800-089	Used to prepare 2x cell culture medium.
Liquid RPMI 1650 Medium	Cellgro	10-040-CV	Referred to as 1x cell culture medium.
Fetal Bovine Serum	HyClone	SH30910.03	Used to supplement cell culture medium.
Penicillin/Streptomycin	CellGro	30-002-CI	Used in cell culture medium.
Difco Noble Agar	BD Biosciences	214230	Used to prepare 1.0% and 0.6% agar.
Sodium Bicarbonate	Fisher	BP-328-1	Used in 2x cell culture medium.
Trypsin	Cellgro	25-050-CI	
Sterile Bottle-Top Filters	Fisher	09-761-126	Used to sterile filter 2x medium.
Lipofectamine Reagent	Invitrogen	18324-020	Used in PPAR-RE luciferase assay.
6-well Plates Tissue-culture Treated			
37 °C/5% CO ₂ Incubator			
Chemi-Doc Imager	Bio-Rad		Used to take pictures of colonies.
Quantity One Software	Bio-Rad		Used to count cell colonies.
15 ml Conical Tubes			
50 ml Conical Tubes			
250 ml Erlenmeyer Flasks			
Microwave			
5 ml Serological Pipettes			
Pipette Aid			
Micropipette			
Hemocytometer w/ cover slip			
Pipette Tips			
Inverted Light Microscope			
Centrifuge			
Heat-Resistant Gloves			
Saran Wrap			
Ice Bucket			