

Materials List for:

Preclinical Assessment of the Bioactivity of the Anticancer Coumarin OT48 by Spheroids, Colony Formation Assays, and Zebrafish Xenografts

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URL: <https://www.jove.com/video/57490>

DOI: [doi:10.3791/57490](https://doi.org/10.3791/57490)

Materials

Name	Company	Catalog Number	Comments
Materials required for colony formation assays			
A549	ATCC	CCL-185	37 C°
RPMI 1640	Lonza	30096	4 C°
FBS	Biowest	S1520-500	-20 C°
Penicillin-Streptomycin	Lonza	17-602E	-20 C°
Cell culture flask T75	SPL	70075	RT
PBS solution	Hyclone	SH30256.02	RT
1.5ml tube	Extragene	Tube-170-C	RT
15 ml tube	Hyundai Micro	H20015	RT
12 well plate	SPL	30012	RT
MethoCult	StemCell technologies	4230	-20 C°
Thiazolyl Blue Tetrazolium Bromide (MTT powder)	Sigma	M5622	4 C°
LAS4000	GE Healthcare Technologies		RT
Materials required for spheroid formation assay			
A549	ATCC	CCL-185	37 C°
RPMI 1640	Lonza	30096	4 C°
FBS	Biowest	S1520-500	-20 C°
Penicillin-streptomycin	Lonza	17-602E	-20 C°
Cell culture flask T75	SPL	70075	RT
PBS solution	Hyclone	SH30256.02	RT
Trypsin-EDTA	Gibco	25-300-054	4 C°
Corning costar ultra low attachemnt 96 well plate	Corning	3474	RT
Microscopy	Nikon	Eclipse TS100	RT
Materials required for zebrafish xenografts			
A549	ATCC	CCL-185	37 C°
RPMI 1640	Lonza	30096	4 C°
FBS	Biowest	S1520-500	-20 C°
Penicillin-streptomycin	Lonza	17-602E	-20 C°
Cell culture flask T25	SPL	70025	RT
Cell culture flask T75	SPL	70075	RT

Cell culture flask T175	SPL	71175	RT
1.5ml tube	Extragene	Tube-170-C	RT
24 well plate	SPL	30024	RT
Petridish	SPL	10100	RT
PBS solution	Hyclone	SH30256.02	RT
Trypsin-EDTA	Gibco	25-300-054	4 C°
Sodium Chloride	Sigma-Aldrich	71382	RT
Potassium chloride (KCL)	Sigma-Aldrich	P9541	RT
Magnesium sulfate heptahydrate (MgSO ₄ .7H ₂ O)	Sigma-Aldrich	M2773	RT
Calcium nitrate tetrahydrate (Ca(NO ₃) ₂)	Sigma-Aldrich	C1396	RT
HEPES solution	Sigma-Aldrich	H0887	RT
Ethyl 3-aminobenzoate methanesulfonate (Tricaine)	Sigma-Aldrich	E10521	RT
Phenol Red solution	Sigma-Aldrich	P0290	RT
Methylcellulose	Sigma-Aldrich	M0512	RT
1-phenyl-2-thiourea (PTU)	Sigma-Aldrich	P7629	RT
CM-Dil dye	Invitrogen	C7001	-20 C°
Glass capillary	World Precision Instruments	TW 100F-4	RT
Micropipette puller	Shutter instrument, USA	P-97	RT
Micro injector	World Precision Instruments	PV820	RT
Syringe	KOVAX	1ml	RT
Micro loader	Eppendorf	5242956003	RT
Glass slide	Marienfeld	HSU-1000612	RT
Fluorescence microscopy	Leica	DE/DM 5000B	RT