

Materials List for:

# Long-term Live-cell Imaging to Assess Cell Fate in Response to Paclitaxel

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## Materials

Name	Company	Catalog Number	Comments
phenol red-free, DMEM:F12 media	Hyclone	SH3027202	
10% fetal bovine serum (FBS)	Gibco	10438026	
100 IU/ml penicillin, and 100 mg/ml streptomycin.	Gibco	15070063	
PBS	Gibco	10010049	
0.25% Trypsin/EDTA	Gemini	50-753-3104	
12-well glass bottomed imaging dish	Cellvis	P12-1.5H-N	
Paclitaxel	TSZ Chem	RS036	
Dimethyl Sulfoxide (DMSO)	Sigma	NC0215085	
Environmental Chamber	In Vivo Scientific		
5% CO <sub>2</sub>	Airgas	Z03NI7432000201	
15 mL Conical Tubes	Fisherbrand	05-539-12	
10 cm polystyrene tissue culture plates	Falcon	08772E	
10 mL Disposable Serological Pipette	Fisherbrand	4488	
5804R 15 amp Centrifuge	Eppendorf	97007-370	
1000 microliters Pipette	Gilson	Pipetman Classic	
20 microliters Pipette	Gilson	Pipetman Classic	
p1000 Pipette Tips	Sharp	p1126	
p20 Pipette Tips	Sharp	P1121	
RPE-1 Cells	ATCC	CRL-4000	
Incubator Galaxy 170S	Eppendorf	CO17011005	
Pipette Boy	Integra	156401	
Hemocytometer	Fisher Scientific	0267110	
Nikon Ti-E-PFS Inverted Microscope for Live Cell Imaging	Micro Video Instruments, Inc.	MEA53100	
Prior X-Y Stage System and White Light LED Illuminator	Micro Video Instruments, Inc.	500-H117P1N4	
Prior Proscan 3 Controller XYZ with Encoders	Micro Video Instruments, Inc.	500-H31XYZE	
Andor Digital Camera	Micro Video Instruments, Inc.	D10NLC	
Nikon NIS Elements AR Software	Micro Video Instruments, Inc.	MQS31000	
SOLA LED Illuminator for Fluorescence	Micro Video Instruments, Inc.	SOLA-E	

InVivo Environmental Chamber with CO2 Flow Control	Micro Video Instruments, Inc.	Ti-IVS-100	
Ti-ND6-PFS Perfect Focus Motorized Nosepiece	Micro Video Instruments, Inc.	MEP59391	
Ti-C System Condenser Turret	Micro Video Instruments, Inc.	MEL51000	
Ti-C LWD LWD Lens Unit for System Condenser Turret	Micro Video Instruments, Inc.	MEL56200	
Te-C LWD Ph1 Module	Micro Video Instruments, Inc.	MEH41100	
CFI Plan Fluor DLL 10X Objectiva 0.3 wd 16mm	Micro Video Instruments, Inc.	MRH10101	
CFI Super Plan Fluor ELWD 20xc ADM Objective	Micro Video Instruments, Inc.	MRH48230	