

Materials List for

Three-dimensional *In Vitro* Biomimetic Model of Neuroblastoma using Collagen-based Scaffolds

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jove.com/video/62627

Materials

Name	Company	Catalog Number	Comments
Cells			
IMR-32	ATCC	CCL-127	
Kelly	ECACC	82110411	
KellyCis83	Made in lab – derived from Kelly (Piskareva et al., 2015)	-	Increasing exposure to cisplatin. Cross resistance acquired
SH-SY5Y	ATCC	CRL-2266	
Disposable			
0.22 µm syringe filter	Millex	SLHP033RS	
1.5 mL Eppendorf tube	Eppendorf	0030 120.086	
100 mL sterile Pot	Starstedt	-	
10 mL plastic pipette	Cellstar	607 180	
15 mL Falcon tube	Starstedt	62.554.502	
25 mL plastic pipette	Cellstar	760 180	
50 mL Falcon tube	Starstedt	62.547.254	
5 mL plastic pipette	Cellstar	606 180	
6 mm Biopsy punches	Kai Medical	BP-60F	
Aluminium foil	-	-	
Cover Slip	Menzel-Glaser	-	
HYPERflask	Corning	CLS10030	
Microscope slides	Thermo Scientific	J1840AMNT	
Opaque black 96-well plate	Costar	3915	
Sterile P10 tips	Starlab	S1121-3810	
Sterile P1000 tips	Starlab	S1122-1830	
Sterile P20 tips	Starlab	S1123-1810	

Sterile P200 tips	Starlab	S1120-8810	
T-175 (175 cm ² flask)	Sarstedt	83.3912	
T-75 (75 cm ² flask)	Sarstedt	83.3911.302	
Translucent clear 96 well plate	Cellstar	655180	
Translucent non-adherent 24 well plates	Cellstar	83.3922.500	
Equipment			
Autoclave	Astell	-	
Automatic tissue processor	Leica	TP1020	
Centrifuge 5804	Eppendorf	-	
Hemocytometer	Hausser Scientific	-	
Incubator	ThermoScientific	-	
Microtome	Leica	RM2255	
Oven	Memmert		Calibrated by: Cruinn diagnostics Ltd
P10 pipette	Gilson		
P100 pipette	Gilson		
P1000 pipette	Gilson		
P20 pipette	Gilson		Calibrated by: Cruinn diagnostics Ltd
P200 pipette	Gilson		Calibrated by: Cruinn diagnostics Ltd
Paraffin section flotation bath	Electrothermal	MH8517	Calibrated by: Cruinn diagnostics Ltd
Pipette electronic dispenser	Corning	StripipetterUltra	Calibrated by: Cruinn diagnostics Ltd
Plate cooler	Leica	EG1140C	Calibrated by: Cruinn diagnostics Ltd
Refrigerator -20 °C	Liebherr	-	
Refrigerator -80 °C	Liebherr	-	
Refrigerator 4 °C	Liebherr	-	
Seesaw Rocker	DLab	SK-D1807-E	
Spectrophotometer – Victor ³ V Platereader	PerkinElmer	1420	
Tissue culture hood/Laminar flow hood	GMI	8038-30-1044	
Tissue Lyser	Qiagen	TissueLyser LT	
Tweezers	-	-	
Water bath	Grant	-	
Wax embedder	Leica	EG1140H	
Materials			
1 L Water	Adrona - Biosciences	568	
1% Triton-X	Sigma Aldrich	9002-93-1	
10x PBS tablets	Sigma Aldrich	P4417-100TAB	
37% paraformaldehyde	Sigma-Aldrich	F8775	
Alamar Blue Cell Viability Reagent	Invitrogen	DAL 1100	
Collagen- glycosaminoglycan scaffold	Tissue engineering research group (TERG)		
Collagen-nanohydroxyapatite scaffold	Tissue engineering research group (TERG)		
dH ₂ O	Adrona - Biosciences	568	
Eosin	Sigma-Aldrich	E4009	Made as per: (Cunniffe et al., 2010, Fitzgerald et al., 2015; O'Brien et al., 2005)

EtOH	Sigma-Aldrich	1.00983.2500	Made as per: (Cunniffe et al., 2010, Fitzgerald et al., 2015; O'Brien et al., 2005)
F12	Gibco	21765-029	
FBS	Gibco	10270-106	
Hemaytoxylin	Sigma-Aldrich	HHS32-1L	
L-Glutamine	Gibco	25030-024	
MEM	Gibco	21090-022	
miRNA easy Kit	Qiagen	217004	
MNEAA's	Gibco	11140-035	
Penicillin/streptomycin	Gibco	015140-122	
Qiazol	Qiagen	79306	
Quant-iT PicoGreen dsDNA Assay Kit	Invitrogen	P11496	
RPMI	Gibco	21875-034	
Sodium bicarbonate	Sigma Aldrich	S7795-500G	
Tissue embedding Medium	Sigma	A6330-4LB	
Trypsin-EDTA	Gibco	25300-054	
Software			
Excel	-	Excel 2016	
ImageJ	-	-	
Prism	-	Version 9	