

Materials List for:

# Radiation Treatment of Organotypic Cultures from Submandibular and Parotid Salivary Glands Models Key In Vivo Characteristics

Rachel Meyer<sup>1</sup>, Wen Yu Wong<sup>2</sup>, Roberto Guzman<sup>3</sup>, Randy Burd<sup>1</sup>, Kirsten Limesand<sup>1,2</sup>

<sup>1</sup>Department of Nutritional Sciences, University of Arizona

<sup>2</sup>Cancer Biology Graduate Interdisciplinary Program, University of Arizona

<sup>3</sup>Department of Chemical Engineering, University of Arizona

Correspondence to: Kirsten Limesand at [limesank@email.arizona.edu](mailto:limesank@email.arizona.edu)

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## Materials

Name	Company	Catalog Number	Comments
Vibratome VT1000S	Leica Biosystems	N/A	Vibratome for sectioning
Double Edge Stainless Steel Razor Blades	Electron Microscopy Sciences	72000	
Agarose	Fisher Scientific	BP165-25	Low-melt
Parafilm	Sigma-Aldrich	P6543	
Penicillin-Streptomycin-Amphotericin B	Lonza	17-745H	PSA
24-well plate	CellTreat	229124	
Dulbecco's Phosphate Buffered Saline (DPBS)	Gibco	14190-144	
Loctite UltraGel Control Superglue	Loctite	N/A	Purchased at hardware store
Natural Red Sable Round Paintbrush	Princeton Art & Brush Co	7400R-2	
Gentamicin Sulfate	Fisher Scientific	ICN1676045	
Transferrin	Sigma-Aldrich	T-8158-100mg	
L-glutamine	Gibco	25030-081	
Trace Elements	MP Biomedicals	ICN1676549	
Insulin	Fisher Scientific	12585014	
Epidermal Growth Factor	Corning	354001	
Hydrocortisone	Sigma-Aldrich	H0888	
Retinoic acid	Fisher Scientific	R2625-50MG	
Fetal Bovine Serum	Gibco	A3160602	
DMEM/F12 Media	Corning	150-90-CV	
Millicell Cell Culture Insert	Millipore Sigma	PICM01250	12 mm, 0.4 um pore size for 24 well plate
0.4% Trypan Blue	Sigma-Aldrich	T8154	
LIVE/DEAD Cell Imaging Kit (488/570)	Thermo-Fisher	R37601	Only used LIVE dye component
Anti-Ki-67 Antibody	Cell Signaling Technology	9129S	
Anti-E-cadherin Antibody	Cell Signaling Technology	3195S	
Anti-Cleaved Caspase-3 Antibody	Cell Signaling Technology	9661L	
Anti-SMA Antibody	Sigma-Aldrich	C6198	
Anti-amylase Antibody	Sigma-Aldrich	A8273	
Anti-CD31 Antibody	Abcam	ab28364	

Anti-TUBB3 Antibody	Cell Signaling Technology	5568S	
Alexa Fluor 594 Antibody Labeling Kit	Thermo-Fisher	A20185	
Alexa Fluor 594 Phalloidin	Thermo-Fisher	A12381	
Bovine Serum Albumin	Fisher Scientific	BP1600	
Triton X-100	Sigma-Aldrich	21568-2500	
Paraformaldehyde Prills	Fisher Scientific	5027632	
New England Nuclear Blocking Agent	Perkin Elmer	2346249	No longer sold
DAPI	Cell Signaling Technology	4083S	
Prolong Gold Antifade Mounting Media	Invitrogen	P36934	
Leica SPSII Spectral Confocal	Leica Biosystems	N/A	For confocal imaging
Leica DMIL Inverted Phase Contrast Microscope	Leica Biosystems	N/A	
Cobalt-60 Teletherapy Instrument	Atomic Energy of Canada Ltd Theratron-80	N/A	
Amac Box, Clear	The Container Store	60140	Agarose block mold