

Materials List for:

# Therapy Testing in a Spheroid-based 3D Cell Culture Model for Head and Neck Squamous Cell Carcinoma

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URL: <https://www.jove.com/video/57012>

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## Materials

Name	Company	Catalog Number	Comments
Dulbeccos modified Eagles medium (DMEM)	Biochrom, Berlin, Germany	F 0425	
Fetal bovine serum	Gibco Life Technologies, Paisley, UK	10500-064	
penicillin/streptomycin	Biochrom, Berlin, Germany	A2212	
sodium pyruvate	Biochrom, Berlin, Germany	L0473	
non-essential amino acids	Biochrom, Berlin, Germany	K0293	
L-Glutamine	Biochrom, Berlin, Germany	K0293	
Liberase	Roche Life Sciences, Basel, Switzerland	5401127001	
GravityPLUS 3D Culture and Assay Platform	InSphero, Schlieren, Switzerland	PB-CS 06-001	
GravityTRAP plate	InSphero, Schlieren, Switzerland	PB-CS-01-001	
Ultra-low attachment (ULA) culture plates	Corning, Corning, NY, USA	4520	
airway epithelial cell growth medium	Promocell, Heidelberg, Germany	C-21060	
amphotericin B	Biochrom, Berlin, Germany	A 2612	
airway epithelial cell growth medium supplement mix	Promocell, Heidelberg, Germany	C39165	
WST-8 test	Promocell, Heidelberg, Germany	PC PK-CA705-CK04	
Keratinocyte SFMedium + L-Glutamine 500mL	Invitrogen	#17005-034	
Bovine Pituitary Extract (BPE), 25mg	Invitrogen	#37000015	
Recombinant human Epithelial Growth Factor 2.5 µg	Invitrogen	#37000015	
DMEM High Glucose	Invitrogen	#21068-028	
Penicillin Streptomycin 10000U/mL Penicillin/ 10000µg/mL Streptomycin	Invitrogen	#15140-122	
F12 Nutrient Mix	Invitrogen	#21765-029	
Glutamax (200 mM L-Alanyl-L-Glutamin-Dipeptide in NaCl)	Invitrogen	#35050087	

HBSS (Ca, Mg)	Life Technologies	#14025-092	(no phenol red)
1x TrypLE Express Enzyme	Invitrogen	#12604-013	(no phenol red)
Accutase (enzymatic cell detachment solution)	Innovative cell technologies	Cat# AT104	
70 µm Falcon cell strainer	BD Biosciences, USA	#352350	