

Materials List for:

# Fabrication of Tongue Extracellular Matrix and Reconstitution of Tongue Squamous Cell Carcinoma *In Vitro*

Yupeng Yao<sup>1</sup>, Weifan Lin<sup>1</sup>, Yan Zhang<sup>1</sup>

<sup>1</sup>Key Laboratory of Gene Engineering of the Ministry of Education, State Key Laboratory of Biocontrol, School of Life Sciences, Sun Yat-sen University

Correspondence to: Yan Zhang at [zhang39@mail.sysu.edu.cn](mailto:zhang39@mail.sysu.edu.cn)

URL: <https://www.jove.com/video/57235>

DOI: [doi:10.3791/57235](https://doi.org/10.3791/57235)

## Materials

Name	Company	Catalog Number	Comments
C57-BL/6J mice	Sun Yat-sen University Laboratory Animal Center		
Ethanol	Guangzhou Chemical Reagent Factory	HB15-GR-2.5L	
Sodium chloride	Sangon Biotech	A501218	
Potassium chloride	Sangon Biotech	A100395	
Dibasic Sodium Phosphate	Guangzhou Chemical Reagent Factory	BE14-GR-500G	
Potassium Phosphate Monobasic	Sangon Biotech	A501211	
1.5 mL EP tube	Axygen	MCT-150-A	
Ultra-low temperature freezer	Thermo Fisher Scientific		
3.5 cm cell culture dish	Thermo Fisher Scientific	153066	
6 cm cell culture dish	Greiner	628160	
Triton X-100	Sigma-Aldrich	V900502	
Calcium chloride	Sigma-Aldrich	746495	
Magnesium chloride	Sigma-Aldrich	449164	
DNase	Sigma-Aldrich	D5025	
Magnesium sulphate	Sangon Biotech	A601988	
Glucose	Sigma-Aldrich	158968	
Sodium bicarbonate	Sigma-Aldrich	S5761	
Ampicillin	Sigma-Aldrich	A9393	
Kanamycin	Sigma-Aldrich	PHR1487	
Surgical suture	Shanghai Jinhuan		
250 mL wide-mouth bottle	SHUNIU	1407	
Magnetic stirrer	AS ONE	1-4602-32	
CO <sub>2</sub> incubator	SHEL LAB	SCO5A	
10 mL syringe	Hunan Pingan		
50 mL centrifuge tube	Greiner	227270	
Cal27 cell	Chinese Academy of Science, Shanghai Cell Bank		Tongue squamous cell carcinoma cell line
U2OS cell	Chinese Academy of Science, Shanghai Cell Bank		Human osteosarcoma cell line
DMEM/F12	Sigma-Aldrich	D0547	
Sodium pyruvate	Sigma-Aldrich	P5280	
Hepes free acid	BBI	A600264	

FBS	Hyclone	SH30084.03	
4 °C fridge	Haier		
Water purifier	ELGA		
Hemocytometer	BLAU	717805	