

Propagation of Dental and Respiratory Cells and Organs in Microgravity

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Materials

Name	Company	Catalog Number	Comments
Antibiotic-antimycotic	ThermoFisher Scientific	15240096	
Ascorbic Acid	Sigma Aldrich	A4544	
BGJb Fitton-Jackson Modification media	ThermoFisher Scientific	12591	
BIOST PGA scaffold	Synthecon	Custom	Available from the company through a custom order
BMP-2	R&D Systems	355-BM	
BMP-4	R&D Systems	314-BP	
DMEM Media	Sigma Aldrich	D6429-500mL	
FBS	ThermoFisher Scientific	16140071	
Fibricol	Advanced Biomatrix	5133-20mL	
Fibronectin	Corning	354008	
Galanin	Sigma Aldrich	G-0278	
Gelatin disc	Advanced Biomatrix	CytoForm 500	
Graphene sheets	Advanced Biomatrix	CytoForm 300	
hEGF	Peptotech	AF-100-15	
hFGF	ThermoFisher Scientific	AA1-155	
Hydroxyapatite disc	Advanced Biomatrix	CytoForm 200	
Il-6 protein	PeptoTech	200-06	
Keratinocyte SFM media (1X)	ThermoFisher Scientific	17005042	
Laminin	Corning	354259	
LRAP peptide	Peptide 2.0	Custom made sequence: MPLPPHPGSPGYINLSYEVL PLKWWQSMIRQPPLSPILPEL PLEAWPATDKTKREEVD	
Matrigel	Corning	354234	
Millipore Nitrocellulose membrane	Merck Millipore	AABP04700	
RCCS Bioreactor	Synthecon	RCCS 4HD	

SpongeCol	Advanced Biomatrix	5135-25EA	
Syring valve one way stopcock w/ swivel male luer lock	Smiths Medical	MX5-61L	
Syringes with needle 3cc	McKESSON	16-SN3C211	
Trypsin EDTA (0.25%)	ThermoFisher Scientific	25200056	