

Materials List for

3D Printing of *In Vitro* Hydrogel Microcarriers by Alternating Viscous-Inertial Force Jetting

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Materials

Name	Company	Catalog Number	Comments
A549 cells	ATCC	CCL-185	Human non-small cell lung cancer cell line
Bright field microscope	Olympus	DP70	
Confocal microscope	Nikon	TI-FL	
Fetal bovine serum, FBS	BI	04-001-1ACS	
Gelatin	SIGMA	G1890	
Glass micropipettes	sutter instrument	b150-110-10	
GlutaMAX	GIBCO	35050-061	
H-DMEM	GIBCO	11960-044	Dulbecco's modified eagle medium
Horseradish peroxidase powder	SIGMA	P6782	
Hydrophobic agent	3M	PN7026	Follow the manufacturer's instructions and use after dilution
Micro-forge device	narishige	MF-900	
Non-essential amino acids, NEAA	GIBCO	11140-050	non-essential amino acids
Penicillin G and streptomycin	GIBCO	15140-122	
Petri dish	SIGMA	P5731-500EA	
Puller	sutter instrument	P-1000	
Sodium alginate	SIGMA	A0682	
Trypsin	GIBCO	25200-056	
Type I collagen solution from rat tail	SIGMA	C3867	