

Materials List for:

Protocols of 3D Bioprinting of Gelatin Methacryloyl Hydrogel Based Bioinks

Mingjun Xie^{1,2}, Kang Yu^{1,2}, Yuan Sun^{1,2}, Lei Shao^{1,2}, Jing Nie^{1,2}, Qing Gao^{1,2}, Jingjiang Qiu³, Jianzhong Fu^{1,2}, Zichen Chen^{1,2}, Yong He^{1,2}

¹State Key Laboratory of Fluid Power and Mechatronic Systems, School of Mechanical Engineering, Zhejiang University

²Key Laboratory of 3D Printing Process and Equipment of Zhejiang Province, School of Mechanical Engineering, Zhejiang University

³School of Mechanics and Safety Engineering, Zhengzhou University

Correspondence to: Yong He at yongqin@zju.edu.cn

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Materials

Name	Company	Catalog Number	Comments
0.22 µm filter membrane	Millipore		
2-(4-amidinophenyl)-6-indolecarbamidine dihydrochloride (DAPI)	Yeasen Biological Technology Co., Ltd., Shanghai, China		
3D bioprinter	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
405nm wavelength light	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
co-axial nozzle	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
confocal fluorescence microscope	OLYMPUS FV3000		
digital light processing (DLP) bioprinter	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
DLP printer	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
Dulbecco's Phosphate Buffered Saline (DPBS)	Tangpu Biological Technology Co., Ltd., Hangzhou, China		
Dulbecco's Modified Eagle Medium (DMEM)	Tangpu Biological Technology Co., Ltd., Hangzhou, China		
Dulbecco's Modified Eagle Medium with L-glutamine (DMEM/F-12)	Tangpu Biological Technology Co., Ltd., Hangzhou, China		
EFL Software	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
fetal bovine serum (FBS)	Tangpu Biological Technology Co., Ltd., Hangzhou, China		
gelatin	Sigma-Aldrich, Shanghai, China		
gelatin methacryloyl (GelMA)	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
high voltage power	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
lithium phenyl-2, 4, 6-trimethylbenzoylphosphinate (LAP)	SuZhou Intelligent Manufacturing Research Institute, SuZhou, China		
paraformaldehyde	Tangpu Biological Technology Co., Ltd., Hangzhou, China		
penicillin/streptomycin	Tangpu Biological Technology Co., Ltd., Hangzhou, China		
sodium alginate (Na-Alg)	Sigma-Aldrich, Shanghai, China		
TRITC phalloidin	Yeasen Biological Technology Co., Ltd., Shanghai, China		

Triton X-100	Solarbio Co., Ltd., Shanghai, China		
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