

Materials List for:

Novel Process for 3D Printing Decellularized Matrices

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Materials

Name	Company	Catalog Number	Comments
Sieve machine	Haver & Boecker Tyler	Ro-Tap RX 29-E Pure	
Sieve 90 um	Fisherbrand	170328156	No. 170
Sieve 53 um	Fisherbrand	162513588	No. 270
Sieve 106 um	Fisherbrand	162018121	No. 140
Sputter coater	Leica	n/a	
Scanning Electron Microscope	Hitachi, USA	n/a	
Filabot EX2	Filabot.com	FB00061	
Filabot Spooler	Filabot.com	FB00073	
CAPA 6506	Perstorp	24980-41-4	
Phosphate buffered saline, PBS	Gibco	10010023	
6" Fan	Comfort Zone, Amazon	n/a	
Ultrasonic Water Bath	Cole Parmer	SK-08895-13	
Dreamer	FlashForge	n/a	
Drum Mixer	Custom made	n/a	Similar piece of equipment: https://www.coleparmer.com/i/argos-technologies-flexiroll-digital-tube-roller-shaker-120-vac/0439744?PublID=UX&persist=true&ip=no&gclid=CjwKCAjw-dXaBRAEEiwAbwCi5khGDMz0dTjsraEsBGfhMEH7ytxLQWGUPNgUJYQ1p3vj_yxkYoI_ixoC9GwQAvD_BwE
Micro Balance	Mettler Toledo, Fisher Scientific	01-913-851	
Simplify3D	Simplify3D	n/a	
SolidWorks	SolidWorks	n/a	
Microspheres	Produced in-house, see concurrently submitted JoVE submission		
p-nitrophenyl phosphate, disodium salt, hexahydrate	Millipore	4876-5GM	
Phosphatase, alkaline	Roche Diagnostics GmbH	10 713 023 001	
Absorbance Reader	Tecan	Sunrise	
Tris-HCl Buffer	Sigma-Aldrich	T6455-100ML	
Heated shaker	New Brunswick Scientific	Excella E24	