

Materials List for:

# Manipulating Living Cells to Construct Stable 3D Cellular Assembly Without Artificial Scaffold

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URL: <https://www.jove.com/video/57815>

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## Materials

Name	Company	Catalog Number	Comments
Microscope IX71	Olympus	IX71	
Dextran(200,000; molecular biology-grade)	Wako	CAS.NO 9004-54-0	
Laser Trapping System (NanoTracker 2)	JPK Instruments	S/N T-05-0200	
Upper Objective Lens	Olympus	LUMPLFLN60XW	
Lower Objective Lens	Olympus	UPLSAPO60XW	
Top Cover Glass	MATUNAMI	C022401	
Intermediate Cover Glass (Spacer)	MATUNAMI	-	custom-made (size = 10mm×10mm, thickness = 0.17mm)
Bottom Cover Glass	MATUNAMI	C030401	
Camera	The Imaging Source	DFK 31AF03	
Software	JPK Instruments	NanoTracker2 PFM software	
NMuMG cells	RIKEN BRC	RCB2868	
PBS	Wako	166-23555	
Cell banker	Nippon Zenyaku Kogyo	ZR621	
D-MEM	Wako Pure Chem. Ind., Japan	044-29765	
FBS	Cell Culture Biosci., Nichirei Biosci. Inc., Japan	172012-500ML	
Trypsin	Thermo Fisher Scientific	25200056	
Penicillin-Streptomycin	Wako Pure Chem. Ind., Japan	161-23181	