

Materials List for:

Title Cell Encapsulation by Droplets

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Materials

Name	Type	Company	Catalog Number	Comments
Fluorescent Microscope		Nikon Instruments	Eclipse TE-2000 U	
Solenoid valve cell ejector				Operation frequency: 1 KHz, 30psi, 50nl~0.5ul. 12V Valve Driver: 2.5 Amp drive current
5-Gallon Portable air tank		Coleman	Powermate CT5	Pressurized air: 30 PSI
Pressure regulators		Marsh Bellofram		
Pulse Generator			HP8112A	Actuation frequency generation: 50 MHz
XYZ-stage		Newmark Systems		With Stepping motor: 6inch travel xy-stage(NLS4-6-25), 2.5inch travel z-stage(NLS4-2.5-25), 3axis controller(NSC-G3), 0.1um resolution
NIH 3T3	cell-line			fibroblasts
Trypsin				0.05% solution
NIH 3T3 cell medium				
DPBS	buffer			
T75				tissue culture flasks
Plastic conical tubes				15 ml, for tissue culture