

Materials List for:

Preparation of 3D Collagen Gels and Microchannels for the Study of 3D Interactions *In Vivo*

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Materials

Name	Company	Catalog Number	Comments
High Concentration Rat Tail Collagen	Corning	354249	
Sylgard184 elastomer kit	Corning	NC9285739	Elastomer for PDMS channels
HEPES	Fisher	BP310	For HEPES neutralization buffer
KCl	Fisher	BP366	For HEPES neutralization buffer
KH ₂ PO ₄	Fisher	BP362	For HEPES neutralization buffer
Na ₂ HPO ₄	Fisher	S374	For HEPES neutralization buffer
NaCl	Fisher	BP358	For HEPES neutralization buffer
Levy Improved Neubauer Hemacytometer	Fisher	15170-208	cell counting
6-well non-tissue culture plate	Corning	351146	
50 mm glass bottom dish	MatTek	P50g-1.5-30-f	
Bel-Art Plastic Vacuum Desiccator	Bel-Art	F4200-2021	Degassing chamber for PDMS
transparency film	3M	pp2950	Plastic film for pouring pdms channels
ThermoScientific CimaRec	ThermoScientific	HP141925	Hot plate for curing PDMS microchannels
Vacuum regulator	Precision Medical	PM3100	Vacuum regulator for collagen microchannels
8" x 8" rubber sheet	Amazon - Rubber-Cal	Silicone - 60A	rubber sheet for pouring PDMS microchannel
8" x 8" x 0.125" acrylic sheet	Amazon	Plexiglass sheets	for pouring PDMS microchannels
10 lb weights	Amazon	CAP Barbell	for pouring PDMS microchannels
15 ml Conical tubes	Fisher	352097	
50 ml Conical tubes	Fisher	352098	
Plastic pipets	Dot Scientific	229202B, 229206B, and 667225B	2 ml, 5 ml, and 25 ml
70% EtOH	Fisher	NC9663244	