

Materials List for:

Custom Engineered Tissue Culture Molds from Laser-etched Masters

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Materials

Name	Company	Catalog Number	Comments
Item			
Bovine fibrinogen	Sigma	F8630-5G	Constructs
Bovine thrombin	Sigma	T6634-250UN	Constructs
Bovine aprotinin	Sigma	10820-25MG	Constructs
Rat tail collagen I, 4 mg/mL	Advanced Biomatrix	5153-100MG	Constructs
Sodium chloride	Fisher	BP358-10	Constructs
PBS	Life Technologies	14190-250	Constructs
Fine forceps	Fine Science Tools	11252-20	Constructs
Sylgard 184 silicone elastomer	Corning	4019862	PDMS Molds
Lab tape	Fisher	15-901-5R	PDMS Molds
Acrylic, 1/4" thick	McMaster-Carr	8560K356	PDMS Molds
HEPES Buffer, 1 M	Sigma	H3537-100ML	Constructs
RPMI 1640 medium, powder	Fisher	31800-089	Constructs
Calcium chloride dihydrate	Fisher	AC423520250	Constructs
Magnesium chloride hexahydrate	Fisher	M33 500	Constructs
Potassium chloride	Sigma	P9541-500G	Constructs
Sodium phosphate dibasic heptahydrate	Sigma	S9390-500G	Constructs
Glucose	Sigma	G5767-25G	Constructs
OCT	VWR	25608-930	Histology
Frozen block molds	VWR	25608-916	Histology
Hematoxylin	Fisher	3530 1	Histology
Eosin Y	Fisher	AC152880250	Histology
Fast green FCF	Fisher	AC410530250	Histology
Software			
Illustrator	Adobe Systems		Vector Graphics
Inkscape	(Open Source)		Vector Graphics
UCP (Universal Control Panel)	Universal Laser Systems		Laser Cutter Interface
Equipment			
PLS6.75 Laser Cutter	Universal Laser Systems		Laser Cutter
Micromechanical Analyzer	Aurora Scientific	1530A with 5 mN load cell	Mechanical Analysis