

Materials List for:

# Layer-by-layer Collagen Deposition in Microfluidic Devices for Microtissue Stabilization

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## Materials

Name	Company	Catalog Number	Comments
collagen type I, rat tail	Life Technologies	A1048301	option for concentrated rat tail collagen
collagen type I, rat tail	Sigma-Aldrich	C3867-1VL	option for concentrated rat tail collagen
collagen type I, rat tail	EMD Millipore	08-115	option for concentrated rat tail collagen
collagen type I, rat tail	R%D Systems	3440-100-01	option for concentrated rat tail collagen
succinic anhydride	Sigma-Aldrich	239690-50G	succinylation reagent
anhydrous methanol	Sigma-Aldrich	322415-100ML	methylation reagent
sodium hydroxide	Sigma-Aldrich	S5881-500G	pH precipitation reagent
hydrochloric acid	Sigma-Aldrich	320331-500ML	pH precipitation reagent
rat collagen type I ELISA	Chondrex	6013	option for detecting collagen content
hydroxyproline assay kit	Sigma-Aldrich	MAK008-1KT	option for detecting collagen content
hydroxyproline assay kit	Quickzyme Biosciences	QZBtotcol1	option for detecting collagen content