

Materials List for:

Stretching Micropatterned Cells on a PDMS Membrane

Nicolas Carpi¹, Matthieu Piel¹

¹UMR 144, Institut Curie

Correspondence to: Nicolas Carpi at nicolas.carpi@curie.fr

URL: <https://www.jove.com/video/51193>

DOI: [doi:10.3791/51193](https://doi.org/10.3791/51193)

Materials

Name	Company	Catalog Number	Comments
GelPak	GelPak	PF-60-X4	Different thickness/stickiness are available. One alternative could be to cast your PDMS yourself.
Silicon grease	GE Bayer Silicones	Baysilone-Paste	This one is biocompatible
Stretching device	GREM mécanique	Stretcher 2011	
EDC (N-(3-Dimethylaminopropyl)-N'-ethylcarbodiimide hydrochloride)	Sigma	3450	Stable 6 months at -20 °C
NHS (N-Hydroxysulfosuccinimide sodium salt)	Sigma	56485	Protect from humidity
PLL-g-peg (PLL(20)-g[3.5]-PEG(2) 20 mg)	SurfaceSolutions (Zurich)		
Synthetic Quartz photomask	Toppan		Take standard binary photomask in Quartz
Fibronectin from bovine plasma	Sigma	F1141	