

Materials List for:

# Stiffness Measurement of Soft Silicone Substrates for Mechanobiology Studies Using a Widefield Fluorescence Microscope

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URL: <https://www.jove.com/video/57797>

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## Materials

Name	Company	Catalog Number	Comments
CY 52-276 A/B silicone elastomer kit	Dow Corning	CY 52-276	Store at room temperature
Thermo Scientific Pierce EDC	Fisher Scientific	PI22980	Store at -20°C
Thermo Scientific Pierce Sulfo-NHS crosslinker	Fisher Scientific	PI-24510	Store at 4°C
Carboxyl fluorescent pink particles, 0.4-0.6 µm, 2 mL	Spherotech, Inc.	CFP-0558-2	Store at 4°C, do not freeze
1.0 mm Acid washed Zirconium beads	OPS Diagnostics LLC	BAWZ 1000-250-33	
Deep UV chamber with ozone evacuator	Novascan Technologies, Inc.	PSD-UV4, OES-1000D	
Wide field fluorescence microscope	Leica Microsystems	DMi8	
Collagen I, from rat tail	Corning	354236	Stock concentration = 4 mg/ml; store at 4°C
ImageJ-NIH	N/A	N/A	public-domain software