

Materials List for:

# Using Microfluidic Devices to Measure Lifespan and Cellular Phenotypes in Single Budding Yeast Cells

Ke Zou<sup>1,2</sup>, Diana S. Ren<sup>2</sup>, Qi Ou-yang<sup>1,3</sup>, Hao Li<sup>2</sup>, Jiashun Zheng<sup>2</sup>

<sup>1</sup>The State Key Laboratory for Artificial Microstructures and Mesoscopic Physics, School of Physics, Peking University

<sup>2</sup>Department of Biochemistry and Biophysics, University of California, San Francisco

<sup>3</sup>Peking-Tsinghua Center for Life Sciences at Center for Quantitative Biology, Academy for Advanced Interdisciplinary Studies, Peking University

Correspondence to: Jiashun Zheng at [jiashun@genome.ucsf.edu](mailto:jiashun@genome.ucsf.edu)

URL: <https://www.jove.com/video/55412>

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## Materials

Name	Company	Catalog Number	Comments
3" <111> silicon wafer	Addison Engineering		
SU-8 2000 and 3000 Series	MicroChem		
Sylgard® 184 Silicone Elastomer Kit	ellsworth	2065622	Include Sylgard® silicone elastomer base and curing agent
Petri dishes	VWR	391-1502	
Harris Uni-core™ punch (I.D. 0.75 mm)	Sigma-Aldrich	29002513	
24 mm x 40 mm SLIP-RITE® cover glass	Thermo Fisher Scientific	102440	
3M Scotch Tape	ULINE	S-10223	
VWR® Razor Blades	VWR	55411-050	
Pure Ethanol, Koptec	VWR	64-17-5	
Whoosh-Duster™	VWR	16650-027	
5 mL BD Syringe (Luer-Lock™ Tip)	Becton, Dickinson and Company	309646	
PTFE Standard Wall Tubing (100 ft, AWG Size: 22, Nominal ID: 0.028)	Component Supply Company	SWTT-22	
Needle Assortment	Component Supply Company	NEKIT-1	
Desiccator	HACH	2238300	
Lab Oven	Fisher Scientific	13246516GAQ	
Nikon TE2000 microscope with 40X and 60X objective	Nikon		
Zeiss Axio Observer Z1 with 40X and 60X objective	Zeiss		
Syringe Pump	Longerpump	TS-1B	