

Materials List for:

Agarose Microchambers for Long-term Calcium Imaging of *Caenorhabditis elegans*

Michal Turek¹, Judith Besseling¹, Henrik Bringmann¹

¹Max Planck Institute for Biophysical Chemistry

Correspondence to: Henrik Bringmann at Henrik.Bringmann@mpibpc.mpg.de

URL: <https://www.jove.com/video/52742>

DOI: [doi:10.3791/52742](https://doi.org/10.3791/52742)

Materials

Name	Company	Catalog Number	Comments
High melting point agarose	Fisher Bioreagents	BP(E)164-1000	
Top Vision low melting point agarose	Thermo Scientific	R0801	
LED system	CoolLED	pE-2	
Compound microscope	Nikon	TiE	
Stereomicroscope	Leica	M5	
EMCCD camera	Andor	iXon 897	now sold as iXon Ultra 897
sCMOS camera	Andor	Neo	
Plasma cleaner	Harrick	PDC-23G2	
Lid heater	MPI workshop	custom made	
Plastic dish	Falcon	08-757-100A	
Z-stage for the microscope	Prior	Nano Scan Z	
X-Y stage for the microscope	Prior	Proscan III	
PDMS stamp	Abbott Laboratories	custom made	
Red light filter	Chroma	ET660/50m	
35 mm Petri dish	Falcon	Falcon Disposable Petri Dishes, Sterile, Corning	
Double sided sticky tape	Sellotape/Henkel	double sided 25 mm x 33 m	alternatively advance double sided sticky tape from Rubance Adhesives can be used.