

Materials List for:

Immobilization of *Caenorhabditis elegans* to Analyze Intracellular Transport in Neurons

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URL: <https://www.jove.com/video/56690>

DOI: [doi:10.3791/56690](https://doi.org/10.3791/56690)

Materials

Name	Company	Catalog Number	Comments
Slideglass (76 x 26 mm)	Matsunami	S1111	
Coverglass (22 x 40 mm)	Matsunami	C024401	
Agarose	Wako	318-01195	
Polystyrene microbeads 0.1 micron	Polysciences	#00876	
Heat block	TAITEC	0063288-000	CTU-mini
Microscope	Olympus	IX-71	widefield microscope
Spinning disk Scanner	Yokogawa	CSU-X1	spinning disc confocal scanner
Digital CCD camera	Hamamatsu Photonics	C10600-10B	ORCA-R2 digital CCD camera
Objective lens (x100, NA1.4)	Olympus	UPLSAPO 100XO	
Pasteur pipette (5 inch)	IWAKI	IK-PAS-5P	
Glass tube (1.5 cm diameter x 10.5 cm)	IWAKI	9820TST15-105NP	
TV9211: <i>wyls251</i>	Laboratory of Kang Shen	N/A	
OTL11: <i>mnls17</i>	Ref. 27, 29	N/A	SP2101 was backcrossed with wild type for 6 times
Stereo microscope	Carl Zeiss	435064-9000-000	STEMI 508
Mirror transillumination unit	Carl Zeiss	435425-9010-000	
platinum wire (0.2 mm)	Nilaco Corporation	m78483501	
60 mm plastic dish	Falcon	#351007	
Fiji	N/A	N/A	https://fiji.sc/
nematode growth medium (NGM)			1.7% (w/v) agarose, 50mM NaCl, 0.25% (w/v) Peptone, 1 mM CaCl ₂ , 5 mg/mL Cholesterol, 25 mM KH ₂ PO ₄ , 1 mM MgSO ₄