

Materials List for

Optimizing Visualization of Axonal Transport of Endogenous Cargo by Fluorescence Microscopy in Living *Caenorhabditis elegans*

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URL

jove.com/video/66236

Materials

Name	Company	Catalog Number	Comments
Agarose	Sigma-Aldrich	A9539	
Cover slips (22 mm x 22 mm, No1); Gold Seal Cover Glass	Thomas Scientific	6672A14	
Levamisole	ChemCruz	sc-205730	
Microscope: Nikon Ti2 inverted microscope, Yokogawa CSU-W1 SoRa Scanhead, Hamatsu Orca-Fusion BT sCMOS camera, Nikon CFI Plan Apo lambda 60x 1.4 NA oil immersion objective, Nikon photostimulation scanner at 488nm with an ET525/36 emission filter	Nikon		Spinning Disc Confocal Microscope
NIS-elements AR	Nikon		Software for the Nikon Ti2
Plain precleaned microscopy slides	Thermo Scientific	420-004T	
Nematode strain	Identifier	Source	
rab-3(ox699[GFP::flip-on::rab-3]) (II); shyls43(glr-4p::FLP-NLSx2; odr-1p::RFP) (II)	Park et al. (DOI: 10.1016/j.cub.2023.07.052)	MTS1161	Will be deposited at CGC (https://cgc.umn.edu/)