

Materials List for:

Imaging *C. elegans* Embryos using an Epifluorescent Microscope and Open Source Software

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URL: <https://www.jove.com/video/2625>

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Materials

Name	Company	Catalog Number	Comments
Olympus BX61 microscope with Hamamatsu Orca-ER camera. 10x Plan Fluorite (NA 0.3) and 60x PlanAchromat (NA 1.35) objective lenses	Olympus Corporation		
Micro-Manager 1.3.46	Micro-Manager		http://www.micro-manager.org
Image J 1.43			http://rsbweb.nih.gov/ij
loci_tools.jar			http://www.loci.wisc.edu
Agarose - molecular biology/gel electrophoresis grade			
Fisher Superfrost/Plus Microscope Slides	Fisher Scientific	12-550-15	
Laboratory tape	Fisher Scientific	15-901	
18 mm x 18 mm #1.5 coverslips			
M9 (242 mM KH ₂ PO ₄ , 40 mM Na ₂ HPO ₄ , 9 mM g NaCl, 19 mM NH ₄ Cl MgSO ₄)			
(http://130.15.90.245/wormlab_recipe_book.htm).			
Egg Buffer (118 mM NaCl, 48 mM KCl, 2 mM CaCl ₂ , 2 mM MgCl ₂ , 25 mM HEPES, pH 7.3) ²⁵ .			
Vaseline			
Brush/Stick			
Razor blades			
Heat block			
Dissecting microscope			
Worms ²²			
Platinum wire pick ²²			
27G1/2 Precision Glide Needle or a scalpel with a small blade	BD Biosciences		