

Materials List for:

# Visualization of *Caenorhabditis elegans* Cuticular Structures Using the Lipophilic Vital Dye Dil

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URL: <https://www.jove.com/video/3362>

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## Materials

Name	Company	Catalog Number	Comments
Dil (1,1'-Dioctadecyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate)	Biotium, Inc.	60010	Stock dilution: 20 mg/mL in DMF working dilution: 30 mg/mL
DMF (Dimethylformamide)	Sigma-Aldrich	D4551	
Triton X-100 (Octylphenoxypolyethoxyethanol)	VWR international	EM-9410	
M9 (22mM KH <sub>2</sub> PO <sub>4</sub> , 42mM Na <sub>2</sub> HPO <sub>4</sub> , 86mM NaCl, 1mM MgSO <sub>4</sub> )			
NGM (Nematode growth medium)	IPM Scientific, Inc.	11006-501	Can be prepared following NGM agar protocol <sup>18</sup>
Agar-agar	EMD Millipore	1.01614	4% in water
Levamisole (Levamisole hydrochloride)	Sigma-Aldrich	31742	100 μM - 1 mM levamisole as required
Microscope slides	VWR international	16005-106	
Microscope cover glasses	VWR international	16004-302	
Compound scope	Carl Zeiss, Inc.	A1m	Use objectives to match the needs of the experiment
TRITC or other compatible filter	Chroma Technology Corp.	49005	ET - DSRed (TRITC/Cy3) sputtered filter set