

Materials List for

# Studying Inherited Immunity in a *Caenorhabditis elegans* Model of Microsporidia Infection

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jove.com/video/63636

## Materials

Name	Company	Catalog Number	Comments
2.0 mm zirconia beads	Biospec Products Inc.	11079124ZX	
10 mL syringe	Fisher Scientific	1482613	
5 µm filter	Millipore Sigma	SLSV025LS	
Axio Imager 2	Zeiss	-	Fluorescent microscope for imaging of DY96- and FISH- stained worms on microscope slides
Axio Zoom V.16 Fluorescence Stereo Zoom Microscope	Zeiss	-	For live imaging of fluorescent transgenic animals to visualize the IPR
Baked EdgeGARD Horizontal Flow Clean Bench	Baker	-	
Bead disruptor, Genie SI-D238 Analog Disruptor Genie Cell Disruptor, 120 V	Global Industrial	T9FB893150	
Cell-VU slide, Millennium Sciences Disposable Sperm Count Cytometers	Fisher Scientific	DRM600	
Direct Yellow 96	Sigma-Aldrich	S472409-1G	
EverBrite Mounting Medium with DAPI	Biotium	23001	
EverBrite Mounting Medium without DAPI	Biotium	23002	
Fiji/ImageJ software	ImageJ	<a href="https://imagej.net/software/fiji/downloads">https://imagej.net/software/fiji/downloads</a>	
Mechanical rotor	Thermo Scientific	415110 / 1834090806873	Used to spin tubes of bleached embryos for overnight hatching
MicroB FISH probe	Biosearch Technologies Inc.	-	Synthesized with a Quasar 570 (Cy3) 5' modification and HPLC purified, CTCTCGGCACTCCTCCTG
N2	Wild-type, Bristol strain	Default strain	Caenorhabditis Genetics Center (CGC)
Sodium dodecyl sulfate (SDS)	Sigma-Aldrich	L3771-100G	
Sodium hydroxide solution (5 N)	Fisher Chemical	FLSS256500	
Sodium hypochlorite solution (6%)	Fisher Chemical	SS290-1	

Stemi 508 Stereo Microscope	Zeiss	-	For daily maintenance of worms and counting of L1 worms for assay set ups
Tween-20	Sigma-Aldrich	P1379-100ML	
Vectashield + A16	Biolynx	VECTH1500	