

Materials List for:

Worm-align and Worm_CP, Two Open-Source Pipelines for Straightening and Quantification of Fluorescence Image Data Obtained from *Caenorhabditis elegans*

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Materials

Name	Company	Catalog Number	Comments
Agarose	MeLford Biolaboratories Ltd	MB1200	
Aspirator tube	Sigma-Aldrich	A5177	to create mouth micro-pipette (see protocol step)
Beaker			
BODIPY 493/593	Invitrogen	D3922	stock solution prepared in DMSO at 1mg/mL
Centrifuge	MSE MISTRAL 1000		
Conical flask			
Cover Slip	VWR	631-0120	
Filter 0.2 µm for Syringe	Sartorius	16534-K	Filter, to create mouth micro-pipette (see protocol step)
Isopropanol			
Levamisole hydrochloride	Sigma-Aldrich	BP212	3mM solution prepared by dissolving levamisole in M9
Liquid Nitrogen			Liquid Nitrogen facility
Low Retention Tip 1000µL	Starlab	S1182-1830	
Methanol	VWR chemicals	20847.307	
Microscope Slides, MENZEL GLASSER	Thermo Scientific	BS7011/2	
Microscope	Nikon		Eclipse Ti
Microwave Oven	Delongi		
M9			prepared in the lab according to ¹⁵
9cm NGM Plates			prepared in the lab according to ¹⁵
PBS			prepared in the lab
Protein LoBind Tube 2ml	Eppendorf	22431102	
Triton	SIGMA	T9284-500ML	
Ring Caps	SIGMA-ALDRICH	Z611247-250EA	glass micro-capillary tubes to create mouth micro-pipette (see protocol step)
Rotator	Stuart Scientific		
Silicone tubing translucent	Scientific Laboratory Suppliers	TSR0600200P	6.0 mm x 2.0 mm wall - to create mouth micro-pipette (see protocol step)
Sterilized H2O			MilliQ water autoclaved in the lab
10µL Tips	Starlab	S1120-3810	

200µL Tips	Starlab	S1120-8810	
1000µL Tips	Starlab	S1122-1830	
15mL Centrifuge Tube	CORNING	430791	
Vecta Shield	VECTOR	94010	antifade mounting medium (H-1000) without DAPI