

Materials List for:

Use of *Galleria mellonella* as a Model Organism to Study *Legionella pneumophila* Infection

Clare R. Harding¹, Gunnar N. Schroeder¹, James W. Collins¹, Gad Frankel¹

¹Center for Molecular Bacteriology and Infection, Imperial College London

Correspondence to: Gad Frankel at g.frankel@imperial.ac.uk

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Materials

Name	Company	Catalog Number	Comments
Material/ Equipment			
ACES yeast extract (AYE) broth			4 g ACES, 4 g yeast extract, 0.4 g α -ketoglutarate, pH 6.9, 400 ml H ₂ O, autoclaved, 4 ml iron solution*, 4 ml cysteine solution* *add sterile ingredients after autoclaving
Charcoal buffered yeast extract (CYE) plates			As above, with the addition of 0.6 g activated charcoal and 6 g agar
Sterile iron solution (Ferric Pyrophosphate)	Sigma	P6526	0.6 mM solution, sterile filtered
Sterile cysteine solution	Sigma	C7880	3.3 mM solution, sterile filtered
<i>G. mellonella</i> (waxworms)	Livefood UK	W250	
Anti-HA-Tetramethyl Rhodamine Isothiocyanate (TRITC)	Sigma	H9037	
Anti- <i>Legionella</i> LPS	Cambridge Biosciences	PA1-7227	
Anti-Rabbit IgG Alexa488	Jackson Immunoreach	711-485-152	
Isopropyl β -D-1-thiogalactopyranoside (IPTG)	Sigma	I6758	
Dulbeccos phosphate buffered saline (D-PBS)	Sigma	D8662	
Paraformaldehyde	Agar Scientific	R1026	
Ammonium chloride (NH ₄ Cl)	Sigma	A9434	
Trypan Blue solution	Sigma	T8154	
Digitonin	Sigma	D141	
Cytochalasin D	Biomol International	BML-T109-0001	

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Material			
Microtiter Syringe	Sigma	24544	
Cell counter, double, Improved Neubauer	VWR	631-0926	
Centrifuge			For centrifuging plates
Fluorescence microscope			Any microscope with appropriate filters for the required fluorophores
Inverted microscope			For viable cell counting
Puncture-proof glove	Turtleskin		