

Materials List for:

# Studying Oxidative Stress Caused by the Mitis Group Streptococci in *Caenorhabditis elegans*

Ali Naji<sup>1</sup>, Ali Al Hatem<sup>1</sup>, Ransome van der Hoeven<sup>1</sup>

<sup>1</sup>Department of Diagnostic and Biomedical Sciences, School of Dentistry, University of Texas Health Science Center

Correspondence to: Ransome van der Hoeven at [Ransome.vanderHoeven@uth.tmc.edu](mailto:Ransome.vanderHoeven@uth.tmc.edu)

URL: <https://www.jove.com/video/59301>

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## Materials

Name	Company	Catalog Number	Comments
<b>Media and chemicals</b>			
Agarose	Sigma Aldrich	A9539-50G	
Bacto peptone	Fisher Scientific	DF0118-17-0	
BD Bacto Todd Hewitt Broth	Fisher Scientific	DF0492-17-6	
BD BBL Sheep Blood, Defibrinated	Fisher Scientific	B11947	
BD Difco Agar	Fisher Scientific	DF0145-17-0	
BD Difco LB Broth	Fisher Scientific	DF0446-17-3	
Blood agar (TSA with Sheep Blood)	Fisher Scientific	R01200	
Calcium Chloride	Fisher Scientific	BP510-500	
Carbenicillin	Fisher Scientific	BP26481	
Catalase	Sigma Aldrich	C1345-1G	
Cholesterol	Fisher Scientific	ICN10138201	
IPTG	Fisher Scientific	MP21021012	
Magnesium sulfate	Fisher Scientific	BP213-1	
Nystatin	Acros organics	AC455500050	
Potassium Phosphate Dibasic	Fisher Scientific	BP363-500	
Potassium phosphate monobasic	Fisher Scientific	BP362-500	
Sodium Azide	Sigma Aldrich	S2002-25G	
Sodium chloride	Fisher Scientific	BP358-1	
Sodium Hydroxide	Fisher Scientific	SS266-1	
8.25% Sodium Hypochlorite			
Sodium Phosphate Dibasic	Fisher Scientific	BP332-500	
Streptomycin Sulfate	Fisher Scientific	BP910-50	
Tetracyclin	Sigma Aldrich	87128-25G	
(-)-Tetramisole hydrochloride	Sigma Aldrich	L9756	
Yeast extract	Fisher Scientific	BP1422-500	
<b>Consumables</b>			
15mL Conical Sterile Polypropylene Centrifuge Tubes	Fisher Scientific	12-565-269	
Disposable Polystyrene Serological Pipettes 10mL	Fisher Scientific	07-200-574	
Disposable Polystyrene Serological Pipettes 25mL	Fisher Scientific	07-200-575	

Falcon Bacteriological Petri Dishes with Lid (35 x 10 mm)	Fisher Scientific	08-757-100A	
No. 1.5 18 mm X 18 mm Cover Slips	Fisher Scientific	12-541A	
Petri Dish with Clear Lid (60 x 15 mm)	Fisher Scientific	FB0875713A	
Petri Dishes with Clear Lid (100X15mm)	Fisher Scientific	FB0875712	
Plain Glass Microscope Slides (75 x 25 mm)	Fisher Scientific	12-544-4	
<b>Software</b>			
Prism	Graphpad		
<b>Bacterial Strains</b>			
S. oralis ATCC 35037			
S. mitis ATCC 49456			
S. gordonii DL1 Challis			
E. coli OP50			
E. coli HT115			
<b>Worm Strains</b>			
<b>Strain</b>	<b>Genotype</b>	<b>Transgene</b>	<b>Source</b>
N2	C. elegans wild isolate		CGC
EU1	skn-1(zu67) IV/nT1 [unc-?(n754) let-?] (IV;V)		CGC
LD002	ldls1	SKN-1B/C::GFP + rol-6(su1006)	Keith Blackwell