

Materials List for:

Mouse Models Of *Helicobacter* Infection And Gastric Pathologies

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URL: <https://www.jove.com/video/56985>

DOI: [doi:10.3791/56985](https://doi.org/10.3791/56985)

Materials

Name	Company	Catalog Number	Comments
Bacteriological reagents			
Oxoid Blood Agar Base No.2	Thermo Fischer Scientific	CM0271B	Dissolve in deionized water prior to sterilization
Premium Defibrinated Horse blood	Australian Ethical Biologicals	PDHB100	
Bacto Brain Heart Infusion Broth	BD Bioscience	237500	Dissolve in deionized water prior to sterilization
CampyGen gas packs	Thermo Fischer Scientific	CN0035A/CN0025A	
Histological reagents			
Formalin, neutral buffered, 10%	Sigma Aldrich	HT501128	
Absolute alcohol, 100% Denatured	ChemSupply	AL048-20L-P	
Isopropanol (2-propanol)	Merck	100995	
Xylene (sulphur free)	ChemSupply	XT003-20L	
Mayer's Haematoxylin	Amber Scientific	MH-1L	Filter before use
Eosin, Aqueous Stain	Amber Scientific	EOCA-1L	Filter before use
Wright-Giemsa Stain, modified	Sigma Aldrich	WG80-2.5L	Dilute before use (20% Giemsa, 80% deionized water)
Histolene	Grate Scientific	11031/5	
DPX mounting medium	VWR	1.00579.0500	
Molecular biology reagents			
Qubit dsDNA BR Assay Kit	Thermo Fischer Scientific	Q32850	
Oligonucleotides	Sigma Aldrich		The annealing temperature of <i>ureB</i> primers used in this study is 61 °C
GoTaq Flexi DNA Polymerase	Promega	M8291	Kit includes 10x PCR buffer and Magnesium Chloride
dNTPs	Bioline	BIO-39028	Dilute to 10 mM in sterile nuclease free water before use
Molecular Grade Agarose	Bioline	BIO-41025	
Sodium Hydrogen Carbonate	Univar (Ajax Fine Chemicals)	A475-500G	
Magnesium Sulphate Heptahydrate	Chem-Supply	MA048-500G	
Antibiotics			
Vancomycin	Sigma Aldrich	V2002-1G	Dissolve in deionized water
Polymyxin B	Sigma Aldrich	P4932-5MU	Dissolve in deionized water
Trimethoprim (≥98% HPLC)	Sigma Aldrich	T7883	Dissolve in 100% (absolute) Ethanol
Amphotericin	Amresco (Astral Scientific)	E437-100MG	Dissolve in deionized water
Bacitracin from <i>Bacillus licheniformis</i>	Sigma Aldrich	B0125	Dissolve in deionized water

Naladixic acid	Sigma Aldrich	N8878	Dissolve in deionized water
Other reagents			
Methoxyflurane (Pentrox)	Medical Developments International	Not applicable	
Paraffin Wax	Paraplast Plus, Leica Biosystems	39601006	
Equipment and plasticware			
Oxoid Anaerobic Jars	Thermo Fischer Scientific	HP0011/HP0031	
COPAN Pasteur Pipettes	Interpath Services	200CS01	
Eppendorf 5810R centrifuge			Collect bacterial pellets by centrifugation at 2,200 rpm for 10 mins at 4 °C
23 g precision glide needle	BD Bioscience	301805	
Parafilm M	Bemis, VWR	PM996	
Portex fine bore polythene tubing	Smiths Medical	800/100/200	
Plastic feeding catheters	Instech Laboratories	FTP20-30	
1 mL tuberculin luer slip disposable syringes	BD Bioscience	302100	
Eppendorf micropestle for 1.2 - 2 mL tubes	Sigma Aldrich	Z317314	Autoclavable polypropylene pestles used for stomach homogenization
GentleMACs Dissociator	Miltenyi Biotec	130-093-235	Use a pre-set gentleMACS Programs for mouse stomach tissue
M Tubes (orange cap)	Miltenyi Biotec	30-093-236	
Qubit Fluorometer	Thermo Fischer Scientific	Q33216	
Sterile plastic loop	LabServ	LBSLP7202	
Cold Plate, Leica EG1160 Embedding System	Leica Biosystems	Not applicable	
Tissue-Tek Base Mould System, Base Mold 38 x 25 x 6	Sakura, Alphen aan den Rijn	4124	
Tissue-Tek III Uni-Casette System	Sakura, Alphen aan den Rijn	4170	
Microtome, Leica RM2235	Leica Biosystems		
Charged SuperFrost Plus glass slides	Menzel Glaser, Thermo Fischer Scientific	4951PLUS4	