

Materials List for

T4 Bacteriophage and *E. coli* Interaction in the Murine Intestine: A Prototypical Model for Studying Host-Bacteriophage Dynamics *In Vivo*

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Materials

Name	Company	Catalog Number	Comments
1-octanol (99%)	ThermoFisher	CAAAA15977-AP	
50 ml PES Steriflip Sterile Disposable Vacuum Filter Units	Millipore Sigma	SCGP00525	
Agarose (Low-EEO/Multi-Purpose/ Molecular Biology Grade)	Fisher BioReagents	BP160-500	
Amicon® 100kDa Ultra-15 centrifugal filter device, Ultracel-100	Millipore Sigma	UFC910008	
BD Microtainer® Tubes, SST	BD Medical	365967	
Bioexclusion airtight cages (ISO cages)	Techiplast	1245ISOCAGE	
C1000 Touch™ Thermal Cycler with 96-Well Fast Reaction Module	BioRad	1851196	
Calcium Chloride Dihydrate (White Crystals to Powder)	Fisher BioReagents	BP510-500	
Cap Locks For 1.5ML Tube 100/pk	Andwin Scientific	16812612	
Chloroform (Ethanol as Preservative/ Certified ACS)	Fisher	C298-500	
Copper coated steel beads (4.5 mm)	Crosman Corporation	0767	
DNeasy Blood & Tissue Kit (50)	Thermo Scientific	69504	
DreamTaq Green PCR Master Mix (2X)	Thermo Scientific	K1081	
Ethylenediaminetetraacetic acid (EDTA) disodium salt solution, for molecular biology, 0.5 M in H2O	Sigma Aldrich	E7889	
Fisher BioReagents™ Agar, Powder / Flakes, Fisher BioReagents™	Fisher Bioreagents	BP1423-500	

Fisher BioReagents™ Microbiology Media: LB Broth (Powder) - Lennox	Fisher Bioreagents	BP1427-500	
GeneRuler 100 bp DNA Ladder	Thermo Scientific	SM0241	
Green FastMix® qPCR mix, 1250 rxns	QuantaBio	95072-012	
HEPA filters for isocage lids, AUTOCLAVABLE H14 FILTERS FOR ISO LINE- IRRADIATED	Techplast	UIISOHEPAXTBOX-300	
Magnesium sulfate heptahydrate	Fisher BioReagents	BP213-1	
MaxQ 6000 Incubated Shaker	Thermo Scientific	8354-30-0009	
Microbiology Media: LB Broth (Powder) - Lennox	Fisher BioReagents	BP1427-500	
Microcentrifuge Tubes with Locking Snap Cap, 2ml	Fisher	14-666-315	
Parafilm sealing film	Bemis	PM-996	
Phage stocks	Carolina Biological Supply	n/a	
PicoLab® Mouse Diet 20 EXT	LabDiet	5R58	
Pierce™ Chromogenic Endotoxin Quant Kit	Thermo Scientific	A39552S	
RNase A (17,500 U)	Qiagen	19101	
RNase-free DNase Set	Qiagen	79254	
Sodium Bicarbonate (Fine White Powder)	Fisher Chemical	BP328-500	
Sodium Chloride (Crystalline/ Certified ACS)	Fisher Chemical	S271	
Sonicator (probe model CL-18; power source model FB50)	Fisher scientific	n/a	
Sterile flexible film isolator	Class Biologically Clean	n/a	
SYBR™ Safe DNA Gel Stain	Invitrogen	S33102	
T100 Thermal Cycler	BioRad	1861096	
T4 phage primer, forward (CCACACATAGCGGAGTATAA)	IDT	n/a	
T4 phage primer, forward (GAAACTCGGTCAGGCTATCAA)	IDT	n/a	
TissueLyser II	Qiagen	85300	
Tris-HCl, 1M Solution, pH 8.0, Molecular Biology Grade, Ultrapure	Thermo Scientific	AAJ22638AE	
Water, (DNASE, RNASE free)	Fisher BioReagents	BP2484100	