

Materials List for:

Quantitative Polymerase Chain Reaction-based Analyses of Murine Intestinal Microbiota After Oral Antibiotic Treatment

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Materials

Name	Company	Catalog Number	Comments
Ampicillin sodium salt	Sigma-Aldrich (Merck)	A9518	
Neomycin trisulfate salt hydrate	Sigma-Aldrich (Merck)	N1876	
Metronidazole	Sigma-Aldrich (Merck)	M3761	
Vancomycin hydrochloride	Sigma-Aldrich (Merck)	V2002	
Gentamicin sulfate salt	Sigma-Aldrich (Merck)	G3632	
Tryptone	Sigma-Aldrich (Merck)	T7293	
Yeast Extract	Sigma-Aldrich (Merck)	Y1625	
NaCL	Sigma-Aldrich (Merck)	S7653	
Sweetener Sweet'n Low	Sweet'N Low		Available in the UK from Amazon.co.uk
X-Gal (5-brom-4-chloro-3-indoyl B-D-galactopyranoside)	Fisher scientific	10234923	
Phosphate Buffered Saline	Thermo Fisher Scientific (Gibco)	10010023	
Ultrapure Agarose	Thermo Fisher Scientific (Invitrogen)	16500500	
RT-PCR grade water	Thermo Fisher Scientific (Invitrogen)	AM9935	
Phusion High-Fidelity DNA Polymerase	New England BioLabs	M0530	
Deoxynucleotide (dNTP) Solution Mix	New England BioLabs	N0447	
iTaq Universal SYBR Green Supermix	Bio-Rad	1725124	with ROX
TOPO TA cloning™ for sequencing	Thermo Fisher Scientific (Invitrogen)	450030	
QIAamp fast DNA Stool mini kit	Qiagen	51604	
QIAprep spin Miniprep kit	Qiagen	27106	
QIAquick gel extraction kit	Qiagen	28704	
Syringe filter 0.45 µm	Fisher scientific	10460031	
Swann-Morton™ Carbon steel sterile scalpel blades	Fisher scientific	11792724	
Syringe (1 mL)	BD Plastipak	303172	
Syringe (20 mL)	BD Plastipak	300613	
1.5 mL Crystal clear microcentrifuge tube	StarLab	E1415-1500	
2 mL Ultra high recovery microcentrifuge tube	StarLab	I1420-2600	

Oral dosing needles 20 G x 38 mm curved (pk/3)	Vet-Tech	DE008A	
Sterilin petri dish 50 mm	Scientific Laboratory Supplies	PET2020	
Absolute qPCR plate seals	Thermo Fisher Scientific	AB1170	
MicroAmp™ optical 384-well plate	Thermo Fisher Scientific (Applied Biosystems)	4309849	
ViiA7™ 7 real-time PCR system with 384-well block	Thermo Fisher Scientific (Applied Biosystems)	4453536	
Spectrophotometer (Nanodrop 1000)	Thermo Fisher Scientific	ND-1000	
Labnet Prism microcentrifuge	Labnet	C2500	
MultiGene Optimax Thermal cycler	Labnet	TC9610	