

Materials List for:

A Method to Assess Bacteriocin Effects on the Gut Microbiota of Mice

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URL: <https://www.jove.com/video/56053>

DOI: [doi:10.3791/56053](https://doi.org/10.3791/56053)

Materials

Name	Company	Catalog Number	Comments
Balb/c mice (female)	Harlan		Mice should be 6 - 8 weeks of age
Plastic Petri dish	Thermo Scientific	101VR20	
Brain-Heart-Infusion broth	Conda	1400.00	
European Bacteriological Agar	Pronadisa	1800.00	
Agarose D1 Low EEO	Pronadisa	8010.00	
1x TAE buffer	Thermo Scientific	15558042	
MRS broth	Difco	288130	
PBS tablets	Sigma	P4417-100TAB	
scale	Mettler Toledo	PB602-S	
sterile forceps	Levantina de Laboratorios S.L.	260-3710014	
Microcentrifuge	Eppendorf	5424	
Centrifuge	Hermle	Z383K	
sodium chloride	AppliChem Panreac	121659.1211	
Realpure SSS Kit	Real Life Science Solutions, Durviz, Spain	RBME04 (300 ml)	
Isopropanol	AppliChem Panreac	131090.1611	
Ethanol	AppliChem Panreac	131086.1214	
Qubit fluorometer	Invitrogen		
Qubit dsDNA HS Assay Kit	Invitrogen	Q32851	
AMPure XP beads	Beckman Coulter Genomics, USA	A63881 (60 ml)	
PerfeCta NGS library quantification kit	Quanta BioSciences, Maryland, USA	733-2300	
MiSeq v3 reagent kit	Illumina, San Diego, California, USA	MS-102-3003	
Primers for 16S rRNA gene amplification			Primers contain V3-V4 region of bacterial 16S rRNA gene and Illumina overhang adaptors: 5'-TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG CCT ACG GGN GGC WGC AG-3' and 5'-GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GGA CTA CHV GGG TAT CTA ATC C-3'
Nextera XT Index kit		FC-131-1002	Indices and Illumina sequencing adaptors

Micropestle for 1.5 mL tubes, Eppendorf / Sigma , Ref.	Sigma	Z317314-1PAK	
Glass beads, 0.1 mm diameter	Biospec Products	11079-101	
NucleoSpin Gel and PCR Clean-up Kit	Macherey-Nagel	740609.25	
Omni Bead Ruptor 24	Omni International Inc.	19-040	
mutanolysin	Sigma	M9901-10KU	
lysozyme	Roche	10837059001	
proteinase K	Roche	3115887001	
RNase A	Sigma	R4875	