

Materials List for:

# Assessing the Viability of a Synthetic Bacterial Consortium on the *In Vitro* Gut Host-microbe Interface

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## Materials

Name	Company	Catalog Number	Comments
<b>STRAINS</b>			
<i>Aggregatibacter actinomycetemcomitans</i>	American Type Culture Collection	ATCC 43718	
<i>Fusobacterium nucleatum</i>	American Type Culture Collection	ATCC 10953	
<i>Porphyromonas gingivalis</i>	American Type Culture Collection	ATCC 33277	
<i>Prevotella intermedia</i>	American Type Culture Collection	ATCC 25611	
<i>Streptococcus mutans</i>	American Type Culture Collection	ATCC 25175	
<i>Streptococcus sobrinus</i>	American Type Culture Collection	ATCC 33478	
<i>Actinomyces viscosus</i>	American Type Culture Collection	ATCC 15987	
<i>Streptococcus salivarius TOVE-R</i>			
<i>Streptococcus mitis</i>	American Type Culture Collection	ATCC 49456	
<i>Streptococcus sanguinis</i>	BCCM/LMG Bacteria Collection	LMG 14657	
<i>Veillonella parvula</i>	Leibniz Institute DSMZ-German Collection of Microorganisms and Cell Cultures	DSM 2007	
<i>Streptococcus gordonii</i>	American Type Culture Collection	ATCC 49818	
<b>CELL LINES</b>			
Caco-2 cells	European Collection of Authenticated Cell Cultures	86010202	
HT29-MTX cells	European Collection of Authenticated Cell Cultures	12040401	
<b>REAGENTS AND CONSUMABLES</b>			
Brain Heart Infusion (BHI) broth	Oxoid	CM1135	
Blood Agar 2	Oxoid	CM0055	Blood Agar medium
Menadione	Sigma	M9429	
Hemin	Sigma	H9039	
5% sterile defibrinated horse blood	E&O Laboratories Ltd,	P030	
InnuPREP PCRpure Kit	Analytik Jena	845-KS-5010250	PCR purification kit
Big Dye	Applied Biosystems	4337454	Dye for sequencing
ABI Prism BigDye Terminator v3.1 cycle sequencing kit	Applied Biosystems	4337456	
SYBR Green I	Invitrogen	S7585	
Propidium Iodide	Invitrogen	P1304MP	
T25 culture flasks uncoated, cell-culture treated, vented, sterile	VWR	734-2311	
Trypsin-EDTA solution	Sigma-Aldrich	T3924-100ML	

Trypan Blue solution 0.4%, liquid, sterile-filtered	Sigma-Aldrich	T8154	
PBS	Gibco	14190250	
DMEM cell culture media, with GlutaMAX and Pyruvate	Life technologies	31966-047	
Corning Transwell polyester membrane cell culture inserts	Sigma-Aldrich	CLS3450-24EA	
Mucin from porcine stomach Type II	Sigma-Aldrich	M2378	
Inactivated fetal bovine serum	Greiner Bio One	758093	
Antibiotic-Antimycotic (100X)	Gibco	15240062	
Triton X 100 for molecular biology	Sigma-Aldrich	T8787	
DPBS without calcium, magnesium	Gibco	14190-250	
Pierce LDH Cytotoxicity Assay Kit	Thermo Fisher Scientific	88953	
Corning HTS Transwell-24 well, pore size 0.4 µm	Corning Costar Corp	3450	
Nuclease-free water	Serva Electrophoresis	28539010	
<b>EQUIPMENT</b>			
Neubauer counting chamber improved	Carl Roth	T729.1	
BD Accuri C6 Flow cytometer	BD Biosciences	653118	
PowerLyzer 24 Homogenizer	MoBio	13155	
T100 Thermal Cycler	BioRad	186-1096	
Flush system	Custom made	-	
InnOva 4080 Incubator Shaker	New Brunswick Scientific	8261-30-1007	Shaker for 2.10
Memmert CO <sub>2</sub> incubator	Memmert GmbH & Co.	ICO150med	
Millicell ERS (Electrical Resistance System)	EMD Millipore, Merck KGaA	MERS00002	
Millipore Milli-Q academic, ultra pure water system	Millipore, Merck KGaA	-	
Shaker (ROCKER 3D basic)	IKA	4000000	Shaker for 6.10