

Materials List for:

Investigating the Effects of Probiotics on Pneumococcal Colonization Using an *In Vitro* Adherence Assay

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Materials

Name	Company	Catalog Number	Comments
Minimum Essential Media (MEM)	Thermo Fisher Scientific	SH30244.01	
Fetal Bovine Serum (FBS)	Thermo Fisher Scientific	SH30084.03	
T-75 Flask	Nunc	156472	
CCL-23 cells	ATCC	CCL-23	
Trypsin	Life Technologies	15090046	
24-well Cell culture plate	Nunc	142475	
Horse blood agar (HBA) plates	Oxoid	PP2001	Sheep blood agar plates also acceptable
Todd-Hewitt Broth	Oxoid	CM0189	
Yeast Extract	Beckton Dickinson	212750	
Digitonin	Sigma-Aldrich	D141-100MG	
Disposable cuvettes	Kartell	1938	
Heparin	Pfizer	2112105	comes in sterile ampules at 5,000 IU/5m/
Sterile spreader	Technoplas	S10805050	alternatively, a glass spreader can be dipped in 96% ethanol and flame sterilized before each use
Lysozyme	Sigma-Aldrich	L6876	
Mutanolysin	Sigma-Aldrich	M9901	
Proteinase K	Qiagen	19133	
SDS 20% solution	Ambion	AM9820	
RNase A	Qiagen	19101	
QIAamp DNA mini-kit (250)	Qiagen	51306	
LytA F primer	Sigma-Aldrich	Custom made	5' -> 3' sequence ACGCAATCTAGCAGATGAAGCA
LytA R primer	Sigma-Aldrich	Custom made	5' -> 3' sequence TCGTGCGTTTTAATCCAGCT
LytA probe	Eurogentec	Custom made	5' -> 3' sequence Cy5- TGCCGAAAACGCTTGATACAGGGAG- BHQ3, alternative fluorophores can be used
Nuclease free water	Ambion	AM9906	
Brilliant III Ultra Fast QPCR mastermix	Agilent Technologies	600880	

Thermo-Fast 96 Detection plate	Thermo Fisher Scientific	AB-1100	
Ultraclear qPCR cap strips	Thermo Fisher Scientific	AB-0866	
Mx3005 QPCR System	Agilent Technologies	401449	
*alternative sources are available for most/all products listed			