

Materials List for:

Use of Artificial Sputum Medium to Test Antibiotic Efficacy Against *Pseudomonas aeruginosa* in Conditions More Relevant to the Cystic Fibrosis Lung

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Materials

Name	Company	Catalog Number	Comments
DNA from fish sperm	Sigma-Aldrich	74782	
Mucin from porcine stomach, type II	Sigma-Aldrich	M2378	
L-Alanine	Acros Organics	102830250	
L-Arginine	Sigma-Aldrich	A5006	
L(+)-Asparagine monohydrate	Acros Organics	175271000	
L(+)-Aspartic acid	Acros Organics	105041000	
L-Cysteine	Sigma-Aldrich	168149	
L(+)-Glutamic acid	Acros Organics	156211000	
L-Glutamine	Sigma-Aldrich	G3126	
Glycine	Acros Organics	220911000	
L-Histidine	Sigma-Aldrich	H8000	
L-Isoleucine	Sigma-Aldrich	I2752	
L-Leucine	Sigma-Aldrich	L8000	
L(+)-Lysine monohydrochloride	Acros Organics	125222500	
L-Methionine	Sigma-Aldrich	M9625	
L-Phenylalanine	Acros Organics	130310250	
L-Proline	Sigma-Aldrich	P0380	
L-Serine	Acros Organics	132660250	
L-Threonine	Acros Organics	138930250	
L(-)-Tryptophan	Acros Organics	140590250	
L-Tyrosine	Acros Organics	140641000	
L-Valine	Sigma-Aldrich	V0500	
Diethylenetriaminepentaacetic acid	Sigma-Aldrich	32318	
NaCl	Fisher Scientific	S/3160/60	
KCl	VWR	BDH0258	
KOH	VWR	BDH0262	
Egg yolk emulsion	Sigma-Aldrich	17148	
ME 2 diaphragm vacuum pump	Vacuubrand	696126	
Steritop filters (Pore size: 0.22 µm, Neck size: 45 mm)	EMD Millipore	SCGPT10RE	
Luria-Bertani medium	Sigma-Aldrich	L2897	
96-well microtitre plates	Sarstedt Ltd	82.1581	

24-well tissue culture-treated plates	Iwaki, Asahi Techno Glass Corp.	3820-024	
CampyGen gas generation packs	Oxford Labware	CN0025	
Microaerophilic chamber	Oxford Labware	HP0011	
Tobramycin sulphate	Sigma-Aldrich	T1783	
Cellulase, from <i>Aspergillus niger</i>	Sigma-Aldrich	22178	
Resazurin	Sigma-Aldrich	199303	
Citrate.H ₂ O	VWR	BDH0288	
Fluostar omega microplate reader	BMG-Labtech	SPECTROstar Omega	