

Materials List for

P. aeruginosa Infected 3D Co-Culture of Bronchial Epithelial Cells and Macrophages at Air-Liquid Interface for Preclinical Evaluation of Anti-Infectives

Carlos Victor Montefusco-Pereira^{*1,2}, Justus C. Horstmann^{*1,2}, Thomas Ebensen³, Christoph Beisswenger⁴, Robert Bals⁴, Carlos A. Guzmán³, Nicole Schneider-Daum¹, Cristiane de Souza Carvalho-Wodarz¹, Claus-Michael Lehr^{1,2}

¹Department of Drug Delivery, Helmholtz Institute for Pharmaceutical Research Saarland (HIPS) ²Department of Pharmacy, Saarland University

³Department of Vaccinology and Applied Microbiology, Helmholtz Centre for Infection Research ⁴Department of Internal Medicine V - Pulmonology, Allergology, Respiratory Intensive Care Medicine, Saarland University Hospital

* These authors contributed equally

Corresponding Authors

Cristiane de Souza Carvalho-Wodarz **Claus-Michael Lehr**
 cristiane.carvalho@helmholtz-hips.de Claus-Michael.Lehr@helmholtz-hips.de

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jove.com/video/61069

Materials

Name	Company	Catalog Number	Comments
Accutase	Accutase	AT104	
Ampicillin	Carl Roth, Germany	HP62.1	
CASY TT Cell Counter and Analyzer	OLS Omni Life Sciences	-	
CellTrace Far Red	Thermo Fischer	C34564	
Centrifuge Universal 320R	Hettich, Germany	1406	
CFBE410 ⁻ cells	1. Gruenert Cell Line Distribution Program 2. Sigma-Aldrich	1. gift from Dr. Dieter C. Gruenert 2. SCC151	
Chopstick Electrode Set for EVOM2, 4mm	World Precision Instruments, Sarasota, USA	STX2	
Confocal Laser-Scanning Microscope CLSM	Leica, Mannheim, Germany	TCS SP 8	
Cytokines ELISA Ready-SET-Go kits	Affymetrix eBioscience, USA	15541037	
Cytokines Panel I and II	LEGENDplex Immunoassay (Biolegend, USA).	740102	
Cytotoxicity Detection Kit (LDH)	Roche	11644793001	
D-(+) Glucose	Merck	47829	
Dako Fluorescence Mounting Medium	DAKO	S3023	
DAPI (4',6-diamidino-2-phenylindole)	Thermo Fischer	D1306	
Epithelial voltohmmeter	World Precision Instruments, Sarasota, USA	EVOM2	

Falcon Permeable Support for 12 Well Plate with 3.0µm Transparent PET Membrane, Sterile	Corning, Amsterdam, Netherlands	353181	
Fetal calf serum	Lonza, Basel, Switzerland	DE14-801F	
Goat anti-mouse (H+L) Cross-adsorbed secondary Antibody, Alexa Fluor 633	Invitrogen	A-21050	
L-Lactate Dehydrogenase (LDH), rabbit muscle	Roche, Mannheim, Germany	10127230001	
LB broth	Sigma-Aldrich, Germany	L2897-1KG	
MEM (Minimum Essential Medium)	Gibco Thermo Fisher Scientific Inc.	11095072	
Non-Essential Amino Acids Solution (100X)	Gibco Thermo Fisher Scientific Inc.	11140050	
P. aeruginosa strain PAO1	American Type Culture Collection	47085	
P. aeruginosa strain PAO1-GFP	American Type Culture Collection	10145GFP	
Paraformaldehyde Aqueous Solution -16%	EMS DIASUM	15710-S	
Phosphate buffer solution buffer	Thermo Fischer	10010023	
Petri dishes	Greiner	664102	
Phorbol 12-myristate 13-acetate (PMA)	Sigma, Germany	P8139-1MG	
Precision Cover Glasses	ThorLabs	CG15KH	
Purified Mouse anti-human ZO-1 IgG antibody	BD Transduction Laboratories	610966	
Roswell Park Memorial Institute (RPMI) 1640 medium	Gibco by Lifetechnologies, Paisley, UK	11875093	
Soda-lime glass Petri dish, 50 x 200 mm (height x outside diameter)	Normax, Portugal	5058561	
Saponin	Sigma-Aldrich, Germany	S4521	
T75 culture flasks	Thermo Fischer	156499	
THP-1 cells	Deutsche Sammlung von Mikroorganismen und Zellkulturen (DSMZ; Braunschweig, Germany)	No. ACC-16	
Tobramycin sulfate salt	Sigma	T1783-500MG	
Trypsin-EDTA 0.05%	Thermo Fischer	25300054	
Tween80	Sigma-Aldrich, Germany	P1754	