

Materials List for:

Assessment of the Cytotoxic and Immunomodulatory Effects of Substances in Human Precision-cut Lung Slices

Vanessa Neuhaus¹, Olga Danov^{*1}, Sebastian Konzok¹, Helena Obernolte¹, Susann Dehmel¹, Peter Braubach², Danny Jonigk², Hans-Gerd Fieguth³, Patrick Zardo⁴, Gregor Warnecke⁴, Christian Martin⁵, Armin Braun^{1,6}, Katherina Sewald¹

¹Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), German Center for Lung Research (DZL), Biomedical Research in Endstage and Obstructive Lung Disease Hannover (BREATH), Member of REBIRTH Cluster of Excellence

²Institute for Pathology, Hannover Medical School, German Center for Lung Research (DZL), Biomedical Research in Endstage and Obstructive Lung Disease Hannover (BREATH)

³Division of Thoracic and Vascular Surgery, Klinikum Region Hannover (KRH)

⁴Department of Cardiothoracic, Transplantation and Vascular Surgery (HTTG), Hannover Medical School, German Center for Lung Research (DZL), Biomedical Research in Endstage and Obstructive Lung Disease Hannover (BREATH)

⁵Institute of Pharmacology and Toxicology, RWTH Aachen University

⁶Institute for Immunology, Hannover Medical School

* These authors contributed equally

Correspondence to: Katherina Sewald at katherina.sewald@item.fraunhofer.de

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Materials

Name	Company	Catalog Number	Comments
Silicon hose 3.0 x 5.0 mm	A. Hartenstein (Leipzig, Germany)	SS04	
Syringe	Faust Lab Science (Klettgau, Germany)	9.410 050	
Coring tools	custom-made	custom-made	
Trimming Blade Handle (FEATHER)	pfm medical ag (Cologne, Germany)	205530001	
Trimming Blades (FEATHER)	pfm medical ag (Cologne, Germany)	205500000	
Microtome: Tissue Slicer	Alabama R&D (Bad Homburg, Germany)	303400-ADPT	Krumdieck Tissue Slicer (MD6000)
Microtome blade	Wilkinson Sword (Solingen, Germany)	ENR-4027800011506	
Tissue culture dishes	Sigma (München, Germany)	Z666246-420EA	
Cell strainer filter (100 µm Nylon)	Becton Dickinson (Heidelberg, Germany)	BD352360	
Inoculation loop	Copan Diagnostics (Murrieta, USA)	CD176S01	
TPP Tissue culture plates 24wells	Sigma (München, Germany)	Z707791-126EA	
Cassette	Thermo Scientific (Schwerte, Germany)	1000957	
Nunc MaxiSorp flat-bottom	Fisher Scientific GmbH (Hannover, Germany)	44-2404-21	
Nunc MicroWell 96-Well	Thermo Scientific (Schwerte, Germany)	260836	
Confocal Microscope	Zeiss (Jena, Germany)		Confocal LSM Meta 510
Image rendering software	Bitplane AG (Zürich, Switzerland)		IMARIS 7.6
LSM Image Browser	Zeiss (Jena, Germany)		
Multiwell-Reader	Tecan Group Ltd. (Männedorf, Switzerland)	Tecan infinite F200Pro	Plate Reader
Plate shaker	Edmund Buehler GmbH (Hechingen, Germany)	KM-2 Akku	

BenchMark ULTRA	Ventana Medical Systems (Tucson, USA)		Automated IHC/ISH slide staining system
Assays			
Cell Proliferation Reagent WST-1	Roche (Basel, Switzerland)	11644807001	
Cytotoxicity Detection Kit (LDH)	Roche (Basel, Switzerland)	11644793001	
Microscopical vitality staining	Invitrogen (Carlsbad, USA)	L-3224	LIVE/DEAD Viability/Cytotoxicity Kit
BCA Protein Assay	Thermo Scientific (Schwerte, Germany)	23225	
ELISA assay kit	R & D systems	various, e.g. DY210 (TNF- α) or DY200 (IL-1 α)	DuoSet
Reagents			
Agarose, low gelling temperature	Sigma (München, Germany)	A9414-100G	
Balanced Salt Mixtures and Solutions, Cell Culture, Classic Media and Salts, Earle's Balanced Salts (EBSS)	Sigma (München, Germany)	E2888-500ML	
Penicillin and streptomycin	Lonza (Verviers, Belgium)	17-602E	
Dulbecco's Modified Eagle's Medium Nutrient Mixture F-12 Ham (DMEM F-12)	Gibco (Darmstadt, Germany)	11039-047	Culture medium
Dulbecco's Phosphate with Ca and Mg (DPBS)	Lonza (Verviers, Belgium)	BE17-513F	Buffer solution
Albumin from bovine serum (BSA)	Sigma (München, Germany)	A9647-500G	
Detergent	Sigma (Saint Louis, USA)	X100-100ML	Triton X-100
Washing buffer	Merck (Darmstadt Germany)	524653	0.05% Tween 20 in PBS