

Materials List for:

Advanced Imaging of Lung Homing Human Lymphocytes in an Experimental In vivo Model of Allergic Inflammation Based on Light-sheet Microscopy

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Materials

Name	Company	Catalog Number	Comments
Agarose NEEO Ultra	Carl Roth GmbH + Co. KG, Karlsruhe, Germany	2267.4	
AlexaFlour594 anti-human CD45 antibody	BioLegend, San Diego, USA	304060	
Ammonium chloride	Carl Roth GmbH + Co. KG, Karlsruhe, Germany	K2981	
Cannula 21 G	Becton, Dickinson and Company, Franklin Lakes, USA	301300	
Cell proliferation dye eflour670	eBioscience Inc., San Diego, USA	65-0840-85	
CD4 MicroBeads, human	Miltenyi Biotech GmbH, Bergisch-Gladbach, Germany	130-045-101	
EDTA (ethylenediaminetetraacetic acid)	Carl Roth GmbH + Co. KG, Karlsruhe, Germany	8043.1	
Potassium-EDTA blood collection tube, 9 ml	Sarstedt AG & Co., Nümbrecht, Germany	21066001	
Ethly cinnamate (ECi)	Sigma-Aldrich, Steinheim, Germany	112372-100G	
Ethanol ≥ 99.5 % (EtOH)	Carl Roth GmbH + Co. KG, Karlsruhe, Germany	5054.3	
FBS (fetal bovine serum) Good Forte	PAN-Biotech GmbH, Aidenbach, Germany	P40-47500	
Filter 100 µm	VWR International Germany GmbH, Darmstadt, Germany	732-2758	
Imaris Image Analysis Software 9.0.2	Bitplane AG, Zurich, Switzerland	n.a.	
InspectorPro software	Abberior Instruments GmbH, Göttingen, Germany	n.a.	
Ketamin	Inresa Arzneimittel GmbH, Freiburg, Germany	3617KET-V	
LaVision UltraMicroscope II	LaVision BioTec GmbH, Bielefeld, Germany	n.a.	
MACS MultiStand	Miltenyi Biotech GmbH, Bergisch-Gladbach, Germany	130-042-303	
Multifly cannula 20 G	Sarstedt AG & Co., Nümbrecht, Germany	851638035	
30 G needle	B. Braun Melsungen AG, Melsungen, Hessen, Germany	9161502	
Neubauer counting chamber	neoLab Migge GmbH, Heidelberg, Germany	C-1003	

Pattex Glue	Henkel AG & Co, Düsseldorf, Germany	PSK1C	
LS column	Miltenyi Biotech GmbH, Bergisch-Gladbach, Germany	130-042-401	
Lymphocyte Separation Media (Density 1,077 g/ml)	anprotec	AC-AF-0018	
Papain	Merck	1,071,440,025	
PBS Dulbecco (phosphate buffered saline)	Biochrom GmbH, Berlin, Germany	L182-10	
PerCP/Cy5.5 anti-human CD4	BioLegend, San Diego, USA	317428	
PerCP/Cy5.5 mouse IgG2b, κ isotype Ctrl	BioLegend, San Diego, USA	400337	
PFA (paraformaldehyde)	Carl Roth GmbH + Co. KG, Karlsruhe, Germany	0335.1	
Potassium hydrogen carbonate	Carl Roth GmbH + Co. KG, Karlsruhe, Germany	P7481	
Serological pipette 10 ml	Sarstedt AG & Co., Nümbrecht, Germany	86.1254.001	
Syringe 1 ml	B. Braun Melsungen AG, Melsungen, Hessen, Germany	9166017V	
Syringe 5 ml	Becton, Dickinson and Company, Franklin Lakes, USA	260067	
Syringe 20 ml	Becton, Dickinson and Company, Franklin Lakes, USA	260069	
Tube 1.5 ml	Sarstedt AG & Co., Nümbrecht, Germany	72,706,400	
Tube 2 ml	Sarstedt AG & Co., Nümbrecht, Germany	72.695.400	
Tube 2 ml, brown	Sarstedt AG & Co., Nümbrecht, Germany	72,695,001	
Tube 15 ml	Sarstedt AG & Co., Nümbrecht, Germany	62.554.502	
Tube 50 ml	Sarstedt AG & Co., Nümbrecht, Germany	62.547.254	
QuadroMACS Separator	Miltenyi Biotech GmbH, Bergisch-Gladbach, Germany	130-090-976	
Xylazin (Rompun 2%)	Bayer Vital GmbH, Leverkusen, Germany	KPOBD32	