

Materials List for:

Generation of Lymphocytic Microparticles and Detection of their Proapoptotic Effect on Airway Epithelial Cells

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Materials

Name	Company	Catalog Number	Comments
LMPs production and characterization			
CEM T cells	ATCC	CCL-119	
X-VIVO 15 medium	Cambrex, Walkersville	04-744Q	
Flask T75	Sarstedt	83.1813.502	
Flask T175	Sarstedt	83.1812.502	
Actinomycin D	Sigma Chemical Co.	A9415-2mg	
PBS	Lifetechnologies	14190-144	
0.22 µm filter	Sarstedt	83.1826.001	
Annexin-VCy5	BD Pharmagen	559933	
FACS flow solution	BD Bio-sciences	342003	
Fluorescent microbeads (1 µm)	Molecular Probes	T8880	
Polystyrene counting beads (7 µm)	Bangs laboratories	PS06N/6994	
Polypropylene FACS tubes	Falcon	352058	
1 ml pipet	Fisher	13-678-11B	
5 ml pipet	Falcon	357543	
25 ml pipet	Ultident	DL-357551	
1.5 ml conical polypropylene micro tube	Sarstedt	72.690	
15 ml conical polypropylene tube	Sarstedt	62.554.205	
50 ml conical polypropylene tube	Sarstedt	62.547.205	
50 ml high speed polypropylene copolymer tube	Nalgene	3119-0050	
250 ml high speed polypropylene bottle	Beckman	356011	
Protein assay (Bradford assay)	Bio-Rad Laboratories	500-0006	
Protein assay standard II	Bio-Rad Laboratories	500-0007	
Test tube 16 x 100	VWR	47729-576	
Test tube 12 x 75	Ultident	170-14100005B	
Cell incubator	Mandel	Heracell 150	
Low speed centrifuge	IEC	Centra8R	
High speed centrifuge	Beckman	Avanti J8	
High speed rotor for 250ml bottle	Beckman	JLA16.250	

High speed rotor for 50ml tube	Beckman	JA30.50	
Fow cytometry	BD Bio-sciences	FACS Calibur	
Spectrophotometer	Beckman	Series 600	
Bronchial tissue explants and sections			
C57BL/6 mice (5-7 weeks old)	Charles River Laboratories, Inc.		
Mouse Airway PrimaCell™ System:	CHI Scientific, Inc.	2-82001	
Rib-Back Carbon Steel Scalpel Blades	Becton Dickinson AcuteCare	371310	#10
Scalpel Handle	Fine Science Tools Inc.	10003-12	#7
phase-contrast inverted microscope	Olympus Optical CO., LTD.	CK2	
high O ₂ gas mixture	VitalAire Canada Inc.		
modular incubator chamber	Billups-Rothenberg Inc.	MIC-101	
MaxQ 4000 incubated orbital shaker	Barnstead Lab-Line,	SHKA4000-7	
12-well tissue culture plate	Becton Dickinson and Company	353043	
Plastic tissue culture dishes (100 mm)	Sarstedt, Inc.	83.1802	
Surgical scissors	Fine Science Tools Inc.	14060-09	Straight, sharp, 9cm length
Half-curved Graefe forceps	Fine Science Tools Inc.	11052-10	
humidified CO ₂ incubator	Mandel Scientific Company Inc.	SVH-51023421	
Histopathological examination			
formalin formaldehyde	Sigma-Aldrich, Inc.	HT5011	
paraffin	Fisher scientific International, Inc.	T555	
ethyl alcohol	Merck KGaA, Darmstadt	EX0278-1	
glutaraldehyde	Sigma-Aldrich, Inc.	G6403	
Cacodylate	Sigma-Aldrich, Inc.	31533	
microscope slides	VWR Scientific Inc.	48300-025	25x75 mm
Xylene	Fisher scientific International, Inc.	X5-4	
Mayer's hematoxylin	Sigma-Aldrich, Inc.	MHS16	Funnel with filter paper
HCl	Fisher scientific International, Inc.	A144s-500	
eosin	Sigma-Aldrich, Inc.	HT110116	Funnel with filter paper
Permout™ Mounting Medium	Thermo Fisher Scientific Inc.	SP15-100	
glass coverslip	surgipath medical industries, Inc.	84503	24x24 #1
TUNEL detection kit	In Situ Cell Death Detection, POD	11 684 817 910	
oven	Despatch Industries Inc.	LEB-1-20	
rotary Microtome	Leica Microsystems Inc.	RM2145	
filter paper	Whatman International Ltd.	1003150	#3
Microscope	Nikon Imaging Japan Inc.	E800	
staining dish complete	Wheaton Industries, Inc.	900200	including dish, rack, cover
1.5 ml eppendorf tube	Sarstedt Inc.	72.69	39x10 mm
Orbital and Reciprocating Water Bath	ExpotechUSA	ORS200	
phosphate buffered saline	GIBCO	14190-144	
fume hood	Nicram RD Service	3707E	