

Materials List for:

Inducing Acute Lung Injury in Mice by Direct Intratracheal Lipopolysaccharide Instillation

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URL: <https://www.jove.com/video/59999>

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Materials

Name	Company	Catalog Number	Comments
1 ml syringes	BD, Franklin Lakes, NJ, USA	300013	
10 ml syringes	BD, Franklin Lakes, NJ, USA	309110	
Anti-CD115 (c-fms) APC	Thermo Fisher, Waltham, MA, USA	17-1152-80	
Anti-CD11b (M1/70) - FITC	Thermo Fisher, Waltham, MA, USA	11-0112-81	
Anti-CD45 (30-F11) - eF450	Thermo Fisher, Waltham, MA, USA	48-0451-82	
Anti-F4/80 (BM-8) - PE Cy7	Thermo Fisher, Waltham, MA, USA	25-4801-82	
Anti-Gr1 (RB6-8C5)	BD Biosciences, Franklin Lakes, NJ, USA	552093	
Anti-Ly6C (HK1.4) PerCP-Cy5.5	Thermo Fisher, Waltham, MA, USA	45-5932-82	
Anti-Ly6G (1A8) APC/Cy7	Bio Legend, San Diego, CA	127623	
Buprenorphine hydrochloride	Indivior UK Limited, Berkshire, UK		
C57BL/6 mice, female, 10 - 12 weeks old	Charles River, Wilmington, MA, USA		
CaliBRITE APC-beads (6µm)	BD Biosciences, Franklin Lakes, NJ, USA	340487	
Canula 23 gauge 1"	BD, Franklin Lakes, NJ, USA	300800	
Canula 26 gauge 1/2"	BD, Franklin Lakes, NJ, USA	303800	
Cell strainer 70 µm	BD Biosciences, Franklin Lakes, NJ, USA	352350	
Collagenase Type I	Sigma-Aldrich, St. Louis, MO, USA	1148089	
Deoxyribonuclease II	Sigma-Aldrich, St. Louis, MO, USA	D8764	
Dulbecco's Phosphate Buffered Saline (PBS), sterile	Sigma-Aldrich, St. Louis, MO, USA	D8662	
Dulbecco's Phosphate Buffered Saline (PBS), without calcium chloride and magnesium chloride, sterile	Sigma-Aldrich, St. Louis, MO, USA	D8537	
Ethylenediaminetetraacetic acid (EDTA) solution	Sigma-Aldrich, St. Louis, MO, USA	E7889	
FACS tubes, 5 ml	Sarstedt, Nümbrecht, Germany	551579	
Fetal calf serum (FCS)	Sigma-Aldrich, St. Louis, MO, USA	F2442	
Forceps	Fine Science Tools, Heidelberg, Germany	11049-10	
Isoflurane	Baxter, Unterschleißheim, Germany		
Ketamine hydrochloride	Serumwerk Bernburg, Bernburg, Germany		

Lipopolysaccharides (LPS) from Escherichia coli O111:B4	Sigma-Aldrich, St. Louis, MO, USA	L2630	
LIVE/DEAD Fixable Dead Cell Green Kit	Thermo Fisher, Waltham, MA, USA	L23101	
Purified Rat Anti-Mouse CD16/CD32 (Mouse BD Fc Block™), Clone 2.4G2	BD, Franklin Lakes, NJ, USA	553141	
Red blood cell lysis buffer	Thermo Fisher, Waltham, MA, USA	00-4333-57	
RPMI-1640, with L-glutamine and sodium bicarbonate	Sigma-Aldrich, St. Louis, MO, USA	R8758	
Scissors	Fine Science Tools, Heidelberg, Germany	14060-09	
Sodium azide (NaN ₃)	Sigma-Aldrich, St. Louis, MO, USA	S2002	
Spring scissors	Fine Science Tools, Heidelberg, Germany	15018-10	
Tissue forceps	Fine Science Tools, Heidelberg, Germany	11021-12	
Tubes	Eppendorf, Hamburg, Germany	30125150	
Venous catheter, 22 gauge	B.Braun, Melsungen, Germany	4268091B	
Xylazine hydrochloride	Serumwerk Bernburg, Bernburg, Germany		