

Materials List for:

# Flow Cytometric Isolation of Primary Murine Type II Alveolar Epithelial Cells for Functional and Molecular Studies

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URL: <https://www.jove.com/video/4322>

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## Materials

Name	Company	Catalog Number	Comments
indwelling cannula Introcan 22G	Braun	REF 4252098B	
Dispase, 100 ml(5000 caseinolytic units)	BD Biosciences	354235	aliquot to 4 ml in 15 ml tubes, store at -20 °C
Biozym Plaque Agarose	Biozym	840101	1% w/v in H <sub>2</sub> O
Deoxyribonuclease I from bovine pancreas, 2000 Kunitz units/vial	Sigma-Aldrich	D4263	freshly dissolve content of 1 vial in 300 µl DMEM
DMEM	Gibco	22320-022	used as provided by manufacturer (Low Glucose, Pyruvate, HEPES)
cell strainers (100 µm, 75 µm)	BD Falcon	352360, 352350	
nylon mesh(48 µm, 30 µm)	Bückmann GmbH	03-48/26-1020, 03-30/18-108	
CellTrics 50 µm filter	PARTEC	04-0042-2317	
anti-mouse CD16/CD32	BioLegend	101302	clone 93; purified
anti-mouse F4/80	BioLegend	123116	clone BM8; APC coupled
anti-mouse CD11b	BioLegend	101208	clone M1/70; PE coupled
anti-mouse CD11c	BioLegend	117310	clone N418; APC coupled
anti-mouse CD45	BioLegend	103102	clone 30-F11; purified
anti-mouse CD19	eBioscience	12-0193-83	eBio 1D3; PE coupled
polyclonal goat anti-rat IgG	BD Pharmingen	550767	polyclonal, PE coupled
Antibodies coupled to alternative fluorochromes can be used, depending on the flow cytometer and lasers available.			