

SUPPLEMENTARY MATERIALS

Cell type	Cell line	Immortalization	Advantages	Disadvantages
<i>Alveolar type 1</i>	TT1 ^[1,2]	Virus transformed (SV40)	Alveolar cell line with a defined origin	Poor tight junction development
<i>Alveolar type 2</i>	A549 ^[3]	Spontaneous (lung carcinoma)	Fast growing, displays some characteristics of AEC2	Does not form tight junctions; ALI culture is problematic
<i>Bronchial epithelium</i>	BEAS-2B ^[4]	Virus transformed (SV40)		Poor cell differentiation and tight junction development
	16HBE ^[5]	Virus transformed (SV40)	Cobblestone morphology, forms polarized cell layer	Poor cilia development at ALI, limited barrier activity
	AALEB ^[6]	Virus transformed (SV40)		
	BCi-NS1.1 ^[7]	Virus transformed (retrovirus)	Good differentiation capacity	
	Calu-3 ^[8]	Spontaneous (lung adenocarcinoma)	Reasonable barrier function, some degree of differentiation	No normal differentiation compared to primary cells
<i>Monocyte</i>	U937 ^[9]	Spontaneous (myeloid leukaemia)	Can differentiate into macrophages	Require a differentiation stimulus
	HL-60 ^[10]	Spontaneous (myeloid leukaemia)	Can differentiate into monocytes and macrophages	Require a differentiation stimulus
	THP-1 ^[11]	Spontaneous (monocytic leukaemia)	Can differentiate into macrophages	Require a differentiation stimulus
	Mono-Mac-6 ^[12]	Spontaneous (monoblastic leukaemia)	Expresses markers of mature monocytes	

Table S1. Overview of commonly used epithelial and monocytic cell lines in studies using the air-liquid interface model.

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