

Table 1. Properties of alveolar pneumocytes isolated from rats*

Cell type	Yield† (10 ⁶ cells/rat)	Purity† (%)	Mean cell volume† (μm ³)	Cell diameter‡ (μm)	Cell H ₂ O content§ (μl/10 ⁶ cells)
Alveolar macrophages	7.2 ± 0.3	91 ± 1	1456 ± 39	14.1 ± 0.4	0.97 ± 0.05
Alveolar type II epithelial cells	21.9 ± 1.5	90 ± 1	501 ± 4	9.8 ± 0.1	0.21 ± 0.01
Alveolar type I epithelial cells	4.6 ± 2.3	79 ± 3	716 ± 48	11.1 ± 0.7	0.50 ± 0.03

*Means ± SE of at least four experiments using separate cell preparations.

†Determined using an electronic cell counter equipped with a cell sizing attachment.

‡Calculated from measurements of cell volume assuming a spherical shape.

§Calculated as (cell volume) × (% cell water by weight).