TABLE 2

CHARACTERISTICS OF CELLS FROM THE ALVEOLAR REGION OF NORMAL LUNGS

	Case								
	1279	1305	1414	1631	1713	1722	1723	1855	Mean ± SEM
Age	34	39	20	40	35	19	22	31	
Sex	M	M	M	M	F	F	M	M	
W, kg	74	85	72	70	76	56	96	63	74 ± 4
L, cm	170	186	184	163	180	174	185	171	177 ± 3
V_L mL	4,650	5,950	3,900	3,650	4,600	3,500	3,800	4,680	4,341 ± 285
Alveolar type I cells									
N, × 10^9	24	26	18	13	10	11	25	27	19 ± 3
V, μm^3	1,537	1,996	2,186	1,361	2,405	1,957	1,542	1,123	1,763 ± 156
S, μm^2*	4,044	4,053	6,367	3,960	8,290	6,825	4,525	2,717	5,098 ± 658
τ, μm	0.38	0.49	0.34	0.34	0.29	0.29	0.34	0.41	0.36 ± 0.02
Alveolar type II cells									
N, × 10^9	39	37	30	25	24	30	45	63	37 ± 5
V, μm^3	746	1,483	739	908	1,093	650	613	879	889 ± 101
S, μm^2 (1)*	183	199	228	167	205	96	195	188	183 ± 14
(2)*	239	251	549	424	458	221	319	292	344 ± 42
τ, μm	4.08	7.46	3.24	5.44	5.34	6.77	3.14	4.68	5.02 ± 0.55
Endothelial cells									
N, × 10^9	62	62	106	39	63	56	81	73	68 ± 7
V, μm^3	584	1,067	568	522	630	511	541	635	632 ± 64
S, μm^2*	1,046	1,341	1,344	1,467	1,678	1,412	1,187	1,352	1,353 ± 66
τ, μm	0.56	0.80	0.42	0.36	0.38	0.36	0.46	0.47	0.48 ± 0.05
Interstitial cells									
N, × 10^9	96	86	97	44	67	54	97	128	84 ± 10
V, μm^3	607	633	733	618	734	517	584	673	637 ± 26
Macrophages									
N, × 10^9	29	26	13	26	5	8	10	67	23 ± 7
V, μm^3	2,007	3,047	2,784	2,184	2,483	3,212	1,987	2,227	2,491 ± 167

Definition of abbreviations: W = body weight; L = body height; V_L = fixed lung volume; N = number of cells; V = mean cell volume; S = mean surface area, τ = arithmetic mean cell thickness.

* Mean surface area (S) for alveolar type I cell is the area of basement membrane covered by the cell. For alveolar type II cells, S (1) is the area of alveolar surface covered by the cell and S (2) is the total cell surface area including surface area of microvilli; S for endothelial cells is the area of the capillary lumen side of the cell.