

Table 1. Areas and volumes of erythrocytes from embryonic chick, chicken and human fetus and adult

	A (10^{-8} cm ²)	MCV (fl)	F_w (n)	V_w (fl) (10^{-5} cm)	V_w/A
Embryonic chick (days)					
4	363	650	0.78 ± 0.021 (3)	494	13.9
6	249	370	0.72 ± 0.018 (4)	256	10.6
8	163	196	0.66 ± 0.039 (4)	125	7.8
10	170	208	0.65 ± 0.022 (4)	131	7.9
12	155	182	0.65 ± 0.069 (3)	115	7.5
14	138	153	0.69 ± 0.019 (3)	103	7.6
16	140	155	0.69 ± 0.028 (2)	104	7.6
Chicken	175	134	0.62	82	4.7
Human					
Fetal	153	—	—	—	4.7
Adult	142	79	0.61	48	3.4

F_w is the cell water fraction determined by drying a cell sample to constant weight. The values of A and MCV for chicken red cells are from Brahm & Wieth (1977), and for fetal cells from Brahm & Wimberley (1989). The experiments were carried out at pH 7.7.