

Table 1. Oxygen saturation properties of blood from domestic cats with various hemoglobin phenotypes

A/B phenotype	Hct (%)	P <sub>50</sub> * (mm Hg)	pH	P <sub>50</sub> * (pH 7.40)	n
90/10	30	31.5	7.38	31.0	2.50
	35	29.7	7.39	29.5	2.32
	33	34.0	7.38	33.4	2.66
	29	32.7	7.37	31.8	2.49
	30	29.7	7.45	31.4	2.81
70/30	35	31.8	7.42	32.6	2.50
	32	29.0	7.46	31.0	2.49
50/50	26.5	30.8	7.41	31.2	2.62
	25	36.2	7.32	33.2	2.54
	42.5	30.2	7.41	30.5	2.40
	25	32.7	7.35	31.0	2.73
	30	32.3	7.37	31.4	2.78
	38	32.2	7.38	31.6	2.88
34	32.0	7.39	31.7	2.71	
Human	42	27.1	7.39	26.8	2.70
90/10 average ± S.D.	31.4 ± 2.5	31.5 ± 1.88	7.39 ± 0.03	31.4 ± 1.4	2.56 ± 0.19
70/30 average	33.5	30.4	7.44	31.8	2.50
50/50 average ± S.D.	31.6 ± 6.85	32.3 ± 1.92	7.38 ± 0.03	31.5 ± 0.8	2.66 ± 0.17

\* 37°C, P<sub>CO<sub>2</sub></sub> = 40 mm Hg.