

TABLE 5. *In vivo* rat skeletal muscle

Method	pH _o	pH _i	Comments	Ref.
DMO	7.41–7.49	6.90 ± 0.0094 (14)	Diaphragm, inulin for ECS; pH _o = pH _{art}	367
	7.45	6.97 ± 0.03 (11)	Gracilis; inulin for ECS; pH _o = pH _{art} $V_m = -91.9 \pm 0.6$ (72)	476
	7.42	6.90 ± 0.01 (10)	Thigh muscle; Cl ⁻ for ECS; pH _o = pH _{ive}	246
	7.41	6.84 ± 0.02 (10)	Gracilis; inulin for ECS; pH _o = pH _{ive}	92
el(C)	7.41	6.68 ± 0.08 (11)	Thigh muscle; deep penetration of electrode; $V_m = -80.5 \pm 4.5$ (66)	326
el(HCO ₃ ⁻)		7.03	Thigh muscle; calculated from [HCO ₃ ⁻] _i and arterial PCO ₂	232

Numbers in parentheses are number of studies. ECS, extracellular space; el(C), Carter-style glass electrode; el(HCO₃⁻), bicarbonate electrode; art, artery; ive, inferior vena cava.