

TABLE 6. *In vivo* dog, rabbit, human, and chicken skeletal muscle

Species	Method	pH _o	pH _i	Comments	Ref.
Dog	DMO	7.42	6.84 ± 0.06 (33)	Neck muscle; inulin for ECS; pH _o = pH _{art}	60
	DMO	7.33	6.96	Hindleg muscle; sucrose for ECS; pH _o = pH _{fem v} + 0.02	150
	DMO	7.35	6.92	Gracilis artificially perfused with dog's own blood; sucrose for ECS; pH _o = pH _{grac v}	151
	CO ₂	7.35	6.94	Quadriceps; Cl ⁻ for ECS; pH _o = pH _{fem v}	152
Rabbit	DMO	7.44	6.79 ± 0.04 (30)	Diaphragm and quadriceps; ⁵¹ Cr-EDTA for ECS; pH _o = pH _{rt ventr}	341
Human	CO ₂	7.4	7.00 ± 0.06 (13)	Quadriceps; Cl ⁻ for ECS, assuming V _m = -88; pH _o and PCO ₂ as in fem v blood	385
Chicken	DMO	7.31 (22)	6.93 (2)	Pectoral muscle; inulin, Cl ⁻ or SCN ⁻ for ECS; pH _o = pH _{br v} + 0.02	411

Numbers in parentheses are number of studies. ECS, extracellular space; art, artery; fem v, femoral vein; grac v, gracilis vein; rt ventr, right ventricle; br v, brachial vein.