

TABLE 2. *In vivo* brain

Method	pH <sub>o</sub>	pH <sub>i</sub>	Comments	Ref.
DMO	7.36–7.42	7.09 ± 0.007 (7)	Cat; assuming 17% ECS and pH <sub>o</sub> = pH of mean cerebral capillary plasma	365
	7.39–7.43	7.05 ± 0.013 (14)	Assuming 17% ECS and pH = pH <sub>CSF</sub>	366
	7.42	6.94 ± 0.03 (10)	Assuming 12% ECS and pH <sub>o</sub> = pH <sub>ivc</sub>	246
	7.31	7.05	Dog; 21.9% ECS measured with sulfate, pH <sub>o</sub> = pH <sub>cist</sub> , pH <sub>i</sub> of superficial cerebral cortex	14
CO <sub>2</sub>	7.45	7.10	Assuming 12% ECS and pH <sub>o</sub> = pH <sub>CSF</sub>	237
	7.43	7.06 ± 0.01 (14)	Assuming 12% ECS and pH <sub>o</sub> = pH <sub>CSF</sub>	284
	7.40	7.04 ± 0.010 (9)	Assuming 15% ECS and pH <sub>o</sub> = pH <sub>cist</sub>	407
	7.41	7.04 ± 0.006 (13)	Assuming 15% ECS and pH <sub>o</sub> = pH <sub>cist</sub>	269

Values are for rat brain unless otherwise indicated. Numbers in parentheses are number of studies. ECS, extracellular space; CSF, cerebrospinal fluid; cist, cisterna magna; ivc, inferior vena cava.