

**Table 4.1** Standard Transformed Gibbs Energies in  $\text{kJ mol}^{-1}$  of Hydrolysis of ATP as a Function of Temperature, pH, and Ionic Strength

$T/\text{K}$	I/M	pH 5	pH 6	pH 7	pH 8	pH 9
283.15	0	-34.73	-35.38	-36.98	-41.5	-46.93
	0.10	-32.95	-33.49	-35.87	-40.50	-45.62
	0.25	-32.28	-32.87	-35.41	-40.12	-45.45
298.15	0	-35.34	-35.95	-37.64	-42.53	-48.32
	0.10	-33.33	-33.91	-36.53	-41.51	-47.13
	0.25	-32.60	-33.25	-36.07	-41.10	-46.73
313.15	0	-35.95	-36.53	-38.31	-43.56	-49.71
	0.10	-33.71	-34.32	-37.16	-42.51	-48.43
	0.25	-32.91	-33.63	-36.72	-42.08	-48.01

Source: With permission from R. A. Alberty, *J. Phys. Chem. B* 105, 7865–7870 (2001). Copyright 2001 American Chemical Society.