

Electrocatalytic Oxidation of Tyrosine by Parallel Rate-Limiting Proton Transfer and Multisite Electron-Proton Transfer [*J. Am. Chem. Soc.* **2006**, *128*, 11020–11021]. Christine J. Fecenko, Thomas J. Meyer,* and H. Holden Thorp*

Table 1. Rate and Equilibrium Constants for Added Sodium Dibasic Phosphate and Histidine^a

base	p <i>K</i> _a	<i>K</i> _a (M ⁻¹)	<i>k</i> ₁ (s ⁻¹)	<i>k</i> ₋₁ (M ⁻¹ s ⁻¹)	<i>k</i> ₂ (M ⁻¹ s ⁻¹)	<i>K</i> _a ' (M ⁻¹)	<i>k</i> _{red} (s ⁻¹)
histidine	6.6	26.3 ± 0.3	1.4 ± 0.1 × 10 ⁵	2.9 ± 0.1 × 10 ⁹	1.4 ± 0.1 × 10 ⁷	37.8 ± 0.2	6.9 ± 0.3 × 10 ⁴
phosphate (HPO ₄ ²⁻)	7.2	30.0 ± 0.1	3.3 ± 0.1 × 10 ⁵	7.8 ± 0.4 × 10 ⁹	1.7 ± 0.3 × 10 ⁷	22.2 ± 0.1	9.6 ± 0.5 × 10 ⁴

^a According to Scheme 1, at room temperature in 0.8 M NaCl.

Page 11021. We report here corrected values for *k*₋₁ for back proton transfer in the mechanism in Scheme 1. The initial values did not include the total concentration of tyrosine in the calculated rate constants. We also report a corrected value for *k*_{red}. The corrected Table 1 is given here.

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