Erratum

Erratum: Melnikov, S.; et al. Water Splitting and Transport of Ions in Electromembrane System with Bilayer Ion-Exchange Membrane. *Membranes* 2020, *10*, 346

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Due to an error during production, Equations (10), (13)–(20), (23), (24) were unreadable in the published paper [1]. The corrected Equations are provided below:

$$\hat{i}_{lim} = \frac{c_l^2}{\beta_c} + \frac{c_r^2}{\beta_a} \tag{10}$$

$$i_{lim} = F\left(\frac{c_l^2 D_c}{d_c Q_c} + \frac{c_r^2(D_c + D_a)}{d_a Q_a D_c + d_c Q_c D_a}\right) \tag{13}$$

$$i_{lim} = \frac{F D_c c_l^2}{d_c Q_c}. \tag{14}$$

$$c_l = c_l^0 - \frac{1}{2}\frac{i\delta}{F D_{\mathrm{sol}}} \tag{15}$$

$$\frac{i_{lim}}{\frac{F D_c \left(c_l^0\right)^2}{d_c Q_c}} = 1 - \frac{i\delta}{F D_{\mathrm{sol}} c_l^0} + \left(\frac{i\delta}{2 F D_{\mathrm{sol}} c_l^0}\right)^2 \tag{16}$$

$$i_{lim}^m = \frac{F D_c \left(c_l^0\right)^2}{d_c Q_c}, i_{lim}^d = \frac{2 F D_{\mathrm{sol}} c_l^0}{\delta} \tag{17}$$

$$\frac{i_{lim}}{i_{lim}^m} = \left(1 - \frac{i_{lim}}{i_{lim}^d}\right)^2 \tag{18}$$

$$i_{lim} = \left(\frac{2\alpha + 1 - \sqrt{4\alpha + 1}}{2\alpha}\right) i_{lim}^d \tag{19}$$

$$\alpha = \frac{i_{lim}^m}{i_{lim}^d} = \frac{1}{2}\frac{\delta D_c^* c_l^0}{d_c D_{\mathrm{sol}} Q_c} \tag{20}$$

$$-PO_3^{2-} + H_2O \underset{k_{-1}=10^8 \div 10^{10} \mathrm{L}/(\mathrm{mol}\cdot s)}{\overset{k_1=10^1 \div 10^3 \mathrm{s}^{-1}}{\rightleftharpoons}} -PO_3H^- + OH^- \tag{23}$$

$$- \text{PO}_3\text{H}^- \; + \; \text{H}_2\text{O} \; \underset{k_{-1}=10^8 \div 10^{10}\text{L}/(\text{mol}\cdot\text{s})}{\overset{k_1=5\cdot10^{-3}\div5\cdot10^{-1}\text{s}^{-1}}{\rightleftharpoons}} \; - \text{PO}_3\text{H}_2 \; + \; \text{OH}^- \tag{24}$$
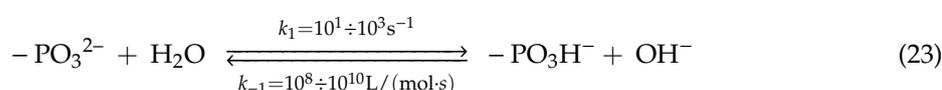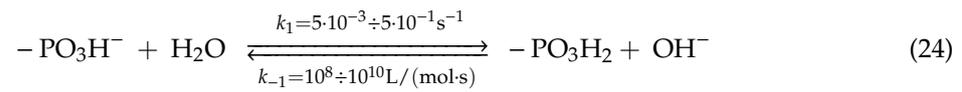
Reference

1. Melnikov, S.; Bondarev, D.; Nosova, E.; Melnikova, E.; Zabolotskiy, V. Water Splitting and Transport of Ions in Electromembrane System with Bilayer Ion-Exchange Membrane. *Membranes* **2020**, *10*, 346. [CrossRef] [PubMed]

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