

ページ	備考	正																																																		
158	表 8-2 を右表に 差し替え	<p style="text-align: center;">表 8-2 電子伝達系成分の ΔE° と各反応の ΔG°</p> <table border="1"> <thead> <tr> <th>半 反 応</th> <th>E°/V</th> <th>反 応</th> <th>$\Delta E^{\circ}/V$</th> <th>$\Delta G^{\circ}/\text{kJ mol}^{-1}$</th> </tr> </thead> <tbody> <tr> <td>$\text{NAD}^+ + \text{H}^+ + 2\text{e}^- \rightarrow \text{NADH}$</td> <td>-0.32</td> <td>(8-7)</td> <td>0.29</td> <td>-56.0</td> </tr> <tr> <td>$\text{E-FMN} + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{E-FMNH}_2$</td> <td>-0.03</td> <td>(8-8)</td> <td>0.13</td> <td>-35.1</td> </tr> <tr> <td>$\text{CoQ} + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{CoQH}_2$</td> <td>0.10</td> <td>(8-9)</td> <td>-0.06</td> <td>11.6</td> </tr> <tr> <td>$\text{Cyt } b_2\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } b_2\text{-Fe}^{2+}$</td> <td>0.04</td> <td>(8-10)</td> <td>0.18</td> <td>-34.8</td> </tr> <tr> <td>$\text{Cyt } c_1\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } c_1\text{-Fe}^{2+}$</td> <td>0.22</td> <td>(8-11)</td> <td>0.03</td> <td>-5.8</td> </tr> <tr> <td>$\text{Cyt } c\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } c\text{-Fe}^{2+}$</td> <td>0.25</td> <td>(8-12)</td> <td>0.04</td> <td>-7.7</td> </tr> <tr> <td>$\text{Cyt } a\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } a\text{-Fe}^{2+}$</td> <td>0.29</td> <td>(8-13)</td> <td>0.10</td> <td>-19.3</td> </tr> <tr> <td>$\text{Cyt } a_3\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } a_3\text{-Fe}^{2+}$</td> <td>0.39</td> <td>(8-14)</td> <td>0.43</td> <td>-83.0</td> </tr> <tr> <td>$\frac{1}{2}\text{O}_2 + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{H}_2\text{O}$</td> <td>0.82</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	半 反 応	E°/V	反 応	$\Delta E^{\circ}/V$	$\Delta G^{\circ}/\text{kJ mol}^{-1}$	$\text{NAD}^+ + \text{H}^+ + 2\text{e}^- \rightarrow \text{NADH}$	-0.32	(8-7)	0.29	-56.0	$\text{E-FMN} + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{E-FMNH}_2$	-0.03	(8-8)	0.13	-35.1	$\text{CoQ} + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{CoQH}_2$	0.10	(8-9)	-0.06	11.6	$\text{Cyt } b_2\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } b_2\text{-Fe}^{2+}$	0.04	(8-10)	0.18	-34.8	$\text{Cyt } c_1\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } c_1\text{-Fe}^{2+}$	0.22	(8-11)	0.03	-5.8	$\text{Cyt } c\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } c\text{-Fe}^{2+}$	0.25	(8-12)	0.04	-7.7	$\text{Cyt } a\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } a\text{-Fe}^{2+}$	0.29	(8-13)	0.10	-19.3	$\text{Cyt } a_3\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } a_3\text{-Fe}^{2+}$	0.39	(8-14)	0.43	-83.0	$\frac{1}{2}\text{O}_2 + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{H}_2\text{O}$	0.82			
半 反 応	E°/V	反 応	$\Delta E^{\circ}/V$	$\Delta G^{\circ}/\text{kJ mol}^{-1}$																																																
$\text{NAD}^+ + \text{H}^+ + 2\text{e}^- \rightarrow \text{NADH}$	-0.32	(8-7)	0.29	-56.0																																																
$\text{E-FMN} + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{E-FMNH}_2$	-0.03	(8-8)	0.13	-35.1																																																
$\text{CoQ} + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{CoQH}_2$	0.10	(8-9)	-0.06	11.6																																																
$\text{Cyt } b_2\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } b_2\text{-Fe}^{2+}$	0.04	(8-10)	0.18	-34.8																																																
$\text{Cyt } c_1\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } c_1\text{-Fe}^{2+}$	0.22	(8-11)	0.03	-5.8																																																
$\text{Cyt } c\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } c\text{-Fe}^{2+}$	0.25	(8-12)	0.04	-7.7																																																
$\text{Cyt } a\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } a\text{-Fe}^{2+}$	0.29	(8-13)	0.10	-19.3																																																
$\text{Cyt } a_3\text{-Fe}^{3+} + \text{e}^- \rightarrow \text{Cyt } a_3\text{-Fe}^{2+}$	0.39	(8-14)	0.43	-83.0																																																
$\frac{1}{2}\text{O}_2 + 2\text{H}^+ + 2\text{e}^- \rightarrow \text{H}_2\text{O}$	0.82																																																			

ページ	場所	誤	正
176	表 9-3 (右列)	$2 \text{FADH}_2 = 6 \text{ATP}$ $2 \text{GTP} = 6 \text{ATP}$	$2 \text{FADH}_2 = 4 \text{ATP}$ $2 \text{GTP} = 2 \text{ATP}$