Table 2 Effects of anisoosmolarity on glycolysis in rat muscle. Rates of CO_2 production from glucose and lactate release in rat soleus muscle strips exposed to hypoosmolar, isoosmolar, or hyperosmolar incubation buffer. Different osmotic conditions were induced by addition of sucrose to incubation buffer as described in references [11,12] (CMIB), or by addition of mannitol to diluted Krebs-Ringer buffer (DKRB). Means \pm SEM; n = 5 or 6 each; *p < 0.05, **p < 0.01 vs. isoosmolar by Dunnett test as adapted for paired data. (For details of media compositions see Table 1)

Erratum

| Osmolarity Range | hypoosmolar | hypoosmolar | isoosmolar | hyperosmolar |
|---|-----------------|---------------|---------------|------------------|
| a) CMIB, 0.05 mmol × L ⁻¹ Glucose | | | | |
| Sucrose, mmol × L ⁻¹ | 0 | 65 | 130 | 260 |
| CO_2 Release, nmol × g^{-1} × h^{-1} | 7.8 ± 1.5 | 6.4 ± 0.5 | 7.4 ± 0.6 | 13.1 ± 1.0 * * |
| Lactate Production, μ mol × g^{-1} × h^{-1} | $5.0 \pm 0.3^*$ | 5.9 ± 0.5 | 6.0 ± 0.4 | 5.6 ± 0.4 |
| b) DKRB, 0.05 mmol × L ⁻¹ Glucose | | | | |
| Mannitol, mmol × L ⁻¹ | 0 | 40 | 140 | 240 |
| CO_2 Release, nmol × g^{-1} × h^{-1} | 26±5** | 22 ± 3** | 43 ± 5 | 90 ± 8 * * |
| Lactate Production, $mol \times g^{-1} \times h^{-1}$ | 2.5 ± 0.2 | 3.2 ± 0.4 | 3.0 ± 0.2 | $5.0 \pm 0.3**$ |
| c) DKRB, 5.5 mmol × L ⁻¹ Glucose | | | | |
| Mannitol, mmol × L ⁻¹ | 0 | 40 | 140 | 240 |
| CO_2 Release, nmol × g^{-1} × h^{-1} | 183 ± 19 | 194 ± 26 | 206 ± 13 | 1640 ± 99** |
| Lactate Production, μ mol × g ⁻¹ × h ⁻¹ | 4.4 ± 0.2 | 4.3 ± 0.2 | 4.6 ± 0.3 | $10.2 \pm 0.4**$ |