

Table S2 a: Intramuscular lactate concentrations, groups A, B and C

time (min)	Ringer (A)		Sorbitol (B)		Calcium chloride (C)	
	lactate (mmol/l)	p value	lactate (mmol/l)	p value	lactate (mmol/l)	p value
0	0.3 [0.2;0.6]		0.3 [0.3;0.3]		0.6 [0.3;0.6]	
15	0.4 [0.3;0.8]	>0.9999	0.3 [0.3;0.5]	0.9998	1.0 [0.8;1.5]	0.0016
30	0.4 [0.4;0.6]	>0.9999	0.4 [0.3;0.7]	0.7659	2.0 [1.4;2.4]	<0.0001
45	0.4 [0.3;0.5]	>0.9999	0.4 [0.4;0.5]	0.9935	2.7 [2.4;3.5]	<0.0001
60	0.4 [0.3;0.5]	>0.9999	0.4 [0.4;0.5]	0.9935	3.6 [3.0;4.3]	<0.0001

Intramuscular lactate concentrations measured by microdialysis before and at different time point during continuous application of Ringer solution (A), sorbitol 160 mM (B) and calcium chloride 160 mM (D). Results presented as median and interquartile range. 2-way ANOVA with post hoc Sidak test for multiple comparisons for differences at different time points compared to baseline lactate concentration

Table S2 b: Intramuscular lactate concentrations, groups D and E

time (min)	Caffeine (D)		Ringer (E)	
	lactate (mmol/l)	p value	lactate (mmol/l)	p value
0	0.2 [0.2;0.3]		0.3 [0.2;0.4]	
15	0.4 [0.3;0.4]	0.9396	0.3 [0.1;0.3]	0.9962
30	1.6 [0.9;1.9]	<0.0001	0.4 [0.2;0.8]	0.8109
45	1.0 [0.6;1.3]	0.0004	0.3 [0.2;0.5]	0.9739
60	0.4 [0.2;0.6]	0.6695	0.3 [0.2;0.4]	> 0.9999

Intramuscular lactate concentrations measured by microdialysis before and at different time points following bolus application of caffeine 160 mM (D) and Ringer solution (E). Results presented as median and interquartile range. 2-way ANOVA with post hoc Sidak test for multiple comparisons for differences at different time points compared to baseline lactate concentration

Table S2 c: Intramuscular lactate concentrations, groups F and G

time (min)	Halothane (F)		Soybean oil (G)	
	lactate (mmol/l)	p value	lactate (mmol/l)	p value
0	0.3 [0.1;0.3]		0.4 [0.2;0.5]	
15	1.1 [0.7;1.4]	0.1088	0.3 [0.2;0.4]	>0.9999
30	4.7 [4.3;6.3]	<0.0001	0.5 [0.4;0.5]	0.9970
45	1.1 [0.7;2.6]	0.0031	0.3 [0.3;0.5]	>0.9999
60	0.5 [0.4;0.8]	0.8987	0.4 [0.3;0.5]	>0.9999

Intramuscular lactate concentrations measured by microdialysis before and at different time points following bolus application of halothane 10 %vol (F) and soybean oil (G). Results presented as median and interquartile range. 2-way ANOVA with post hoc Sidak test for multiple comparisons for differences at different time points compared to baseline lactate concentration