

	2.5 ppt Chronic normoxia	2.5 ppt Acute hypoxia	2.5 ppt Chronic hypoxia	2.5 ppt Acute normxia	Effect of treatment in 2.5 ppt	5 ppt Chronic normoxia	5 ppt Acute hypoxia	5 ppt Chronic hypoxia	5 ppt Acute normxia	Effect of treatment in 5.0 ppt	10 ppt Chronic normoxia	10 ppt Acute hypoxia	10 ppt Chronic hypoxia	10 ppt Acute normxia	Effect of treatment in 10 ppt	30 ppt Chronic normoxia	30 ppt Acute hypoxia	30 ppt Chronic hypoxia	30 ppt Acute normxia	Effect of treatment in 30 ppt	Effect of salinity in normoxic	Effect of salinity after 1 h hypoxia	Effect of salinity after 24 h hypoxia	Effect of salinity after 1 h normoxia
<i>PaCO2 (mmHg)</i>	1.28±0.123 (5)b	0.922±0.0903 (4)a	1.09±0.0854 (5)AB,ab	1.22±0.0303 (5)AB,ab	P = 0.031	1.43±0.129 (8)b	1.15±0.0598 (4)ab	1.05±0.0736 (6)AB,a	1.27±0.0871 (8)AB,ab	P = 0.026	1.34±0.0976 (10)	1.44±0.246 (7)	1.31±0.0568 (7)B	1.58±0.107 (8)B	P = 0.393	1.17±0.017 (8)	1.14±0.0754 (7)	0.9±0.154 (4)A	1.01±0.0851 (5)A	P = 0.057	F3,27 = 1.22, P = 0.322	F3,18 = 1.51, P = 0.246	F3,18 = 3.86, P = 0.027	F3,22 = 6.55, P = 0.002
<i>[HCO3<sup>-</sup>] (mmol l<sup>-1</sup>)</i>	13.9±1.81 (5)AC	11.8±1.51 (4)AB	12.7±2.16 (5)B	14±1.6 (5)B	P = 0.669	14.5±1.76 (8)C	14.4±1.5 (4)B	11.6±1.17 (6)B	12.5±1.15 (8)BC	P = 0.634	10±0.474 (10)AB	8.76±0.582 (7)A	9.08±0.433 (7)AB	9.69±0.344 (8)AC	P = 0.114	8.35±0.268 (8)B,a	8.18±0.437 (7)A,a	5.69±0.809 (4)A,b	6.44±0.846 (5)A,b	P = 0.002	F3,27 = 6.89, P = 0.001	F3,18 = 9.77, P < 0.001	F3,18 = 5.25, P = 0.009	F3,22 = 8.89, P < 0.001
<i>pHa</i>	8.29±0.0314 (5)B,b	8.38±0.0338 (5)B,a	8.31±0.0451 (5)B,b	8.31±0.0469 (5)B,b	P < 0.001	8.26±0.025 (9)B	8.3±0.052 (9)BC	8.33±0.0333 (8)B	8.25±0.0357 (8)B	P = 0.275	8.16±0.0268 (10)A	8.13±0.0498 (10)A	8.13±0.0204 (9)A	8.08±0.0177 (9)A	P = 0.353	8.13±0.0149 (8)A	8.13±0.0125 (7)AC	8.09±0.0446 (4)A	8.08±0.0222 (5)A	P = 0.14	F3,28 = 8.25, P < 0.001	F3,27 = 6.37, P = 0.002	F3,22 = 12.7, P < 0.001	F3,23 = 13.7, P < 0.001
<i>PaO2 (mmHg)</i>	55.9±1.96 (5)d	35.6±3.23 (4)A,a	45±1.8 (5)A,b	63.9±3.29 (5)A,c	P < 0.001	52.6±4.63 (9)b	27.6±2.96 (9)AB,a	23.2±1.79 (8)B,a	48.4±4.29 (8)AB,b	P < 0.001	56.4±4.86 (9)d	19.3±1.65 (10)B,a	26.6±1.32 (9)B,b	41.5±4 (9)B,c	P < 0.001	54.7±4.17 (7)b	35±5.46 (7)A,a	23.3±4.24 (5)B,a	56.8±6.52 (5)AB,b	P < 0.001	F3,26 = 0.156, P = 0.925	F3,26 = 5.14, P = 0.006	F3,23 = 18.5, P < 0.001	F3,23 = 4.4, P = 0.014
<i>[Hb] (mmol l<sup>-1</sup>)</i>	5.14±0.503 (5)AB	5.62±0.44 (5)	5.41±0.621 (5)	5.29±0.355 (5)	P = 0.84	4.61±0.349 (9)B,b	5.3±0.213 (9)a	4.37±0.271 (8)b	4.37±0.191 (8)b	P = 0.002	5.05±0.278 (10)AB	5.19±0.317 (9)	5.08±0.403 (9)	4.94±0.284 (9)	P = 0.858	5.96±0.274 (8)A,a	5.65±0.458 (7)a	5.14±0.574 (5)ab	4.42±0.673 (5)b	P = 0.003	F3,28 = 2.98, P = 0.048	F3,26 = 0.431, P = 0.733	F3,23 = 1.04, P = 0.392	F3,23 = 1.36, P = 0.279
<i>[HCO3<sup>-</sup>]i (mmol l<sup>-1</sup>)</i>	3.41±0.0934 (3)AC,b	2.02±0.377 (2)a	1.97±NA (1)a	3.83±0.221 (2)A,b	P < 0.001	3.6±0.57 (6)C	3.19±0.674 (3)	2.32±0.316 (5)	2.42±0.419 (7)AB	P = 0.394	1.95±0.239 (5)AB	2.23±0.197 (7)	2.53±0.286 (5)	2.45±0.335 (6)AB	P = 0.543	1.54±0.134 (7)B,ab	2.28±0.329 (6)a	1.31±0.0389 (2)ab	1.36±0.291 (3)B,b	P = 0.022	F3,17 = 8.54, P = 0.001	F3,14 = 1.44, P = 0.274	F3,9 = 1.87, P = 0.205	F3,14 = 3.03, P = 0.065
<i>pHi</i>	7.66±0.019 (3)B,a	7.61±0.0256 (2)a	7.68±NA (1)a	7.77±0.00511 (2)A,b	P < 0.001	7.6±0.0527 (7)B	7.61±0.0694 (8)	7.62±0.034 (7)	7.53±0.0607 (7)AB	P = 0.7	7.47±0.0212 (5)AB	7.53±0.0374 (10)	7.5±0.0703 (7)	7.46±0.0339 (7)B	P = 0.647	7.39±0.0352 (7)A,b	7.56±0.0469 (6)a	7.44±0.158 (2)ab	7.39±0.0549 (3)B,ab	P = 0.039	F3,18 = 7.89, P = 0.001	F3,22 = 0.51, P = 0.68	F3,13 = 1.28, P = 0.322	F3,15 = 4.51, P = 0.019
<i>Plasma Osmolality (mOsm kg<sup>-1</sup>)</i>	277±12.5 (5)B	284±1.5 (2)B	275±20.5 (5)B	290±6.01 (3)B	P = 0.908	287±17.4 (4)B	298±2.44 (7)BC	291±9.01 (5)B	289±6.32 (7)B	P = 0.866	302±1.54 (10)B	310±2.8 (6)C	302±5.25 (9)B	300±2.85 (8)B	P = 0.098	333±6.55 (6)A,a	331±8.25 (5)A,a	408±41 (4)A,b	397±33.9 (4)A,b	P = 0.008	F3,21 = 8.29, P < 0.001	F3,16 = 13.1, P < 0.001	F3,19 = 9.15, P < 0.001	F3,18 = 13.2, P < 0.001
<i>Plasma [Na<sup>+</sup>] (mmol l<sup>-1</sup>)</i>	109±6.92 (5)B	117±7.05 (5)	102±11.2 (4)	110±2.09 (3)B	P = 0.511	106±5.89 (4)B	136±15.3 (5)	117±7.43 (5)	112±3.57 (8)B	P = 0.059	138±7.41 (10)A	130±3.62 (8)	124±3.51 (8)	127±2.88 (8)AB	P = 0.143	122±2.72 (8)AB,b	124±5.7 (6)ab	144±18.3 (5)ab	153±15.9 (5)A,a	P = 0.024	F3,23 = 4.9, P = 0.009	F3,20 = 0.881, P = 0.468	F3,18 = 2.43, P = 0.098	F3,20 = 6.14, P = 0.004
<i>Plasma [Mg2<sup>+</sup>] (mmol l<sup>-1</sup>)</i>	0.964±0.0711 (4)	0.968±0.123 (4)	1.14±0.13 (5)	0.81±0.0503 (3)	P = 0.183	1.17±0.421 (4)	0.805±0.0769 (5)	1.12±0.265 (5)	1.08±0.164 (8)	P = 0.809	0.901±0.0526 (9)	0.971±0.0409 (7)	1.15±0.218 (8)	0.978±0.0655 (7)	P = 0.453	1.17±0.0919 (8)ac	1.01±0.0899 (6)a	1.07±0.164 (3)bc	1.25±0.159 (3)b	P = 0.003	F3,21 = 1.01, P = 0.408	F3,18 = 1.24, P = 0.323	F3,17 = 0.0161, P = 0.997	F3,17 = 1.02, P = 0.408
<i>DR (ml hr<sup>-1</sup> kg<sup>-1</sup>)</i>	6.39±1.36 (6)B										5.29±0.569 (7)B					12.1±1.61 (7)A						F2,17 = 8.75, P = 0.002		
<i>Urinary flow rate (ml hr<sup>-1</sup> kg<sup>-1</sup>)</i>	3.24±0.302 (6)A										1.58±0.346 (7)B					0.643±0.117 (7)B						F2,17 = 22.6, P < 0.001		
<i>Plasma Osmolality (mOsm kg<sup>-1</sup>)</i>	303±6.85 (6)B										312±2.45 (7)B					365±13.2 (7)A						F2,17 = 14.1, P < 0.001		
<i>Plasma [Na<sup>+</sup>] (mmol l<sup>-1</sup>)</i>	132±7.31 (6)A										134±5.2 (7)AB					155±5.54 (7)B						F2,17 = 4.5, P = 0.027		
<i>Plasma [Mg2<sup>+</sup>] (mmol l<sup>-1</sup>)</i>	0.928±0.0428 (6)B										0.868±0.0471 (7)B					1.55±0.22 (7)A						F2,17 = 7.73, P = 0.004		
<i>Urine Osmolality (mOsm kg<sup>-1</sup>)</i>	34±NA (1)B										130±15.4 (7)B					355±28.9 (7)A						F2,12 = 29, P < 0.001		
<i>Urine [Na<sup>+</sup>] (mmol l<sup>-1</sup>)</i>	7.92±1.71 (6)A										30.5±5.57 (7)B					39.6±4.43 (7)B						F2,17 = 13, P < 0.001		
<i>Urine [Mg2<sup>+</sup>] (mmol l<sup>-1</sup>)</i>	1.4±0.171 (6)B										2.28±0.504 (7)B					11.6±1.5 (7)A						F2,17 = 34.3, P < 0.001		
<i>ER (osm) (mOsm hr<sup>-1</sup> kg<sup>-1</sup>)</i>	0.113±NA (1)										0.204±0.0523 (7)					0.215±0.0279 (7)						F2,12 = 0.371, P = 0.698		
<i>ER (Na<sup>+</sup>) (mmol hr<sup>-1</sup>)</i>	0.0266±0.00637 (6)										0.0534±0.0205 (7)					0.0272±0.00692 (7)						F2,17 = 1.31, P = 0.297		
<i>ER (Mg2<sup>+</sup>) (mmol hr<sup>-1</sup> kg<sup>-1</sup>)</i>	0.00463±0.000778 (6)AB										0.00293±0.000387 (7)B					0.00662±0.000908 (7)A						F2,17 = 6.86, P = 0.007		