

Filter: minimal size of the groups n = 5

## EQA round: ABR2/20 - Acid-base Status and Electrolytes

Deadline: 24.07.2020

RoM = robust average	AV = assigned value	Dmax = acceptable percent difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	RV = reference value	UL = upper limit
Ntot = total number of the participants	CVE = consensus value from experts	Neva = number of evaluated participants
Nout = number of results excluded before calculation	CVP = consensus value from all participants	Nsuc = number of successful participants
	CVPG = consensus value from participants groups	Srel = success (relative)
	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					Comparability							
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
<b>(131) pH</b>					73							73	72	99%
Samples and groups	[-]													
<b>Sample A</b>		7,17	0,009	0,14	73	CVP	7,17	0,0028	0,8%	7,11	7,23	73	73	100%
All results		7,17	0,009	0,14	73	0						73		
<b>Sample B</b>		7,43	0,006	0,08	73	CVP	7,43	0,0018	0,8%	7,37	7,49	73	72	99%
All results		7,43	0,006	0,08	73	0						73		
<b>(132) pCO2</b>					73							73	73	100%
Samples and groups	[kPa]													
<b>Sample A</b>		8,05	0,28	3,5	73	CVP	8,05	0,080	12%	7,08	9,02	73	73	100%
All results		8,05	0,28	3,5	73	0						73		
<b>Sample B</b>		4,84	0,13	2,7	73	CVP	4,84	0,037	12%	4,25	5,43	73	73	100%
All results		4,84	0,13	2,7	73	0						73		
<b>(133) pO2</b>					70									0
Samples and groups	[kPa]													
<b>Sample A</b>		6,35	0,96	15	70									0
(60) Roche		9,77	1,6	17	8	2	CVPG	9,77	2,3	20%	7,81	11,8		0
(61) Radiometer		6,30	0,33	5,3	54	11	CVPG	6,3	0,12	20%	5,04	7,56		0
(179) Siemens		5,27	1,5	29	5	0	CVPG	5,27	4,4	20%	4,21	6,33		0
Other					3	0								0
<b>Sample B</b>		16,5	0,60	3,6	70	<sup>1x 11, 1x 38, 1x 53</sup> CVP	16,5	0,18	17%	13,6	19,4	70	70	100%
All results		16,5	0,60	3,6	70	0						70		
<b>(134) Sodium cation (ISE)</b>					49							49	49	100%
Samples and groups	[mmol/L]													
<b>Sample A</b>		117	0,94	0,81	49	CVP	117	0,33	5%	111	123	49	49	100%
All results		117	0,94	0,81	49	0						49		
<b>Sample B</b>		142	1,6	1,1	49	CVP	142	0,56	5%	134	150	49	49	100%
All results		142	1,6	1,1	49	0						49		
<b>(135) Potassium cation (ISE)</b>					50							50	48	96%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,26	0,059	2,6	50	CVP	2,26	0,021	8%	2,07	2,45	50	48	96%
All results		2,26	0,059	2,6	50	1						50		
<b>Sample B</b>		4,10	0,009	0,23	50	CVP	4,1	0,0033	8%	3,77	4,43	50	50	100%
All results		4,10	0,009	0,23	50	0						50		
<b>(136) Chloride anion (ISE)</b>					50							50	48	96%
Samples and groups	[mmol/L]													
<b>Sample A</b>		78,4	1,7	2,2	50	CVP	78,4	0,60	7%	72,9	83,9	50	48	96%
All results		78,4	1,7	2,2	50	0						50		
<b>Sample B</b>		105	1,6	1,5	50	CVP	105	0,54	7%	97,6	113	50	50	100%
All results		105	1,6	1,5	50	0						50		
<b>(137) Calcium cation (ISE)</b>					60							60	60	100%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,65	0,042	2,6	60	CVP	1,65	0,013	10%	1,48	1,82	60	60	100%
All results		1,65	0,042	2,6	60	0						60		
<b>Sample B</b>		0,938	0,023	2,4	60	CVP	0,938	0,0072	10%	0,844	1,04	60	60	100%
All results		0,938	0,023	2,4	60	0						60		
<b>(139) Glucose</b>					43							43	43	100%
Samples and groups	[mmol/L]													
<b>Sample A</b>		21,1	0,81	3,8	43	CVP	21,1	0,30	15%	17,9	24,3	43	43	100%
All results		21,1	0,81	3,8	43	0						43		
<b>Sample B</b>		8,84	0,30	3,3	43	CVP	8,84	0,11	15%	7,51	10,2	43	43	100%
All results		8,84	0,30	3,3	43	0						43		
<b>(169) Lactate</b>					45							45	43	96%
Samples and groups	[mmol/L]													
<b>Sample A</b>		6,19	0,37	6,0	45	CVP	6,19	0,14	18%	5,07	7,31	45	44	98%
All results		6,19	0,37	6,0	45	0						45		
<b>Sample B</b>		2,81	0,13	4,7	45	CVP	2,81	0,048	18%	2,3	3,32	45	43	96%
All results		2,81	0,13	4,7	45	0						45		

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End of report

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