

Filter: minimal size of groups n = 5

## EQA round: ABR1/18 - Acid-base Status and Electrolytes

Dead line: 30.03.2018

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 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>					331							331	327	99%
Samples and groups	[-]													
<b>Sample A</b>		7,41	0,0110,15		331	CVP	7,41	,0015	0,8%	7,35	7,47	331	328	99%
All results		7,41	0,0110,15		331	0						331		
<b>Sample B</b>		7,62	0,0130,17		331	CVP	7,62	,0017	0,8%	7,55	7,69	331	330	100%
All results		7,62	0,0130,17		331	1						331		
<b>(132) pCO2</b>					331							331	322	97%
Samples and groups	[kPa]													
<b>Sample A</b>		5,67	0,25	4,3	331	CVP	5,67	0,033	12%	4,98	6,36	331	326	98%
All results		5,67	0,25	4,3	331	0						331		
<b>Sample B</b>		2,72	0,10	3,7	331	CVP	2,72	0,014	12%	2,39	3,05	331	327	99%
All results		2,72	0,10	3,7	331	1						331		
<b>(133) pO2</b>					329							329	315	96%
Samples and groups	[kPa]													
<b>Sample A</b>		14,5	0,98	6,8	329	CVP	14,5	0,13	17%	12	17	329	320	97%
All results		14,5	0,98	6,8	329	0						329		
<b>Sample B</b>		18,6	0,72	3,9	329	CVP	18,6	0,097	12%	16,3	20,9	329	320	97%
All results		18,6	0,72	3,9	329	1						329		
<b>(134) Sodium cation (ISE)</b>					195							195	192	98%
Samples and groups	[mmol/L]													
<b>Sample A</b>		132	1,30	0,96	195	CVP	132	0,22	5%	125	139	195	194	99%
All results		132	1,30	0,96	195	1						195		
<b>Sample B</b>		159	1,8	1,1	195	CVP	159	0,32	5%	151	167	195	192	98%
All results		159	1,8	1,1	195	2						195		
<b>(135) Potassium cation (ISE)</b>					197							197	195	99%
Samples and groups	[mmol/L]													
<b>Sample A</b>		4,31	0,081	1,9	197	CVP	4,31	0,014	8%	3,96	4,66	197	196	99%
All results		4,31	0,081	1,9	197	1						197		
<b>Sample B</b>		6,22	0,11	1,8	197	CVP	6,22	0,020	8%	5,72	6,72	197	195	99%
All results		6,22	0,11	1,8	197	2						197		
<b>(136) Chloride anion (ISE)</b>					172							172	170	99%
Samples and groups	[mmol/L]													
<b>Sample A</b>		94,6	1,7	1,8	172	CVP	94,6	0,32	7%	87,9	102	172	171	99%
All results		94,6	1,7	1,8	172	0						172		
<b>Sample B</b>		127	2,7	2,1	172	CVP	127	0,51	7%	118	136	172	171	99%
All results		127	2,7	2,1	172	1						172		
<b>(137) Calcium cation (ISE)</b>					236							233	210	90%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,11	0,034	3,1	236	CVP	1,11	,0055	10%	0,999	1,23	236	234	99%
All results		1,11	0,034	3,1	236	1						236		
<b>Sample B</b>		0,513	0,052	10	236							233	211	91%
(38) IL		0,436	0,013	2,9	18	0	CVPG	0,436	,0073	10%	0,392	0,48	18	
(53) Nova Biomedical		0,508	0,017	3,3	21	0	CVPG	0,508	,0091	10%	0,457	0,559	21	
(60) Roche		0,455	0,014	3,1	32	1	CVPG	0,455	,0063	10%	0,409	0,501	32	
(61) Radiometer		0,537	0,036	6,8	138	0	CVPG	0,537	,0076	10%	0,483	0,591	138	
(179) Siemens (Bayer)		0,487	0,049	10	19	0	CVPG	0,487	0,028	10%	0,438	0,536	19	
(198) Techno Medica		0,525	0,037	7,1	5	1	CVPG	0,525	0,037	10%	0,472	0,578	5	
Other					3	0						0		
							1x 11, 1x 109, 1x 120							
<b>(139) Glucose</b>					166							166	165	99%
Samples and groups	[mmol/L]													
<b>Sample A</b>		10,8	0,36	3,3	166	CVP	10,8	0,069	15%	9,18	12,5	166	165	99%
All results		10,8	0,36	3,3	166	0						166		
<b>Sample B</b>		15,5	0,58	3,8	166	CVP	15,5	0,11	15%	13,1	17,9	166	166	100%
All results		15,5	0,58	3,8	166	0						166		
<b>(169) Lactate</b>					159							159	156	98%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,47	0,12	4,8	159	CVP	2,47	0,023	18%	2,02	2,92	159	157	99%
All results		2,47	0,12	4,8	159	0						159		
<b>Sample B</b>		6,78	0,29	4,3	159	CVP	6,78	0,056	18%	5,55	8,01	159	157	99%
All results		6,78	0,29	4,3	159	0						159		