

EQA round: ABR3/21 - Acid-base Status and Electrolytes

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 _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
		RoM	SD	CV [%]	N _{tot}	N _{out}								
(131) pH											368	357	97%	
Samples and groups	[-]				368									
Sample A		7,42	0,0140	1,19	368	CVP	7,42	0,0018	0,8%	7,36	7,48	368	360	98%
All results		7,42	0,0140	1,19	368	0						368		
Sample B		7,33	0,0120	1,17	368	CVP	7,33	0,0015	0,8%	7,27	7,39	368	363	99%
All results		7,33	0,0120	1,17	368	1						368		
(132) pCO2											368	356	97%	
Samples and groups	[kPa]				368									
Sample A		4,92	0,21	4,2	368	CVP	4,92	0,026	12%	4,32	5,52	368	360	98%
All results		4,92	0,21	4,2	368	0						368		
Sample B		6,15	0,25	4,0	368	CVP	6,15	0,032	12%	5,41	6,89	368	361	98%
All results		6,15	0,25	4,0	368	1						368		
(133) pO2											368	351	95%	
Samples and groups	[kPa]				368									
Sample A		17,2	0,76	4,4	368	CVP	17,2	0,097	12%	15,1	19,3	368	356	97%
All results		17,2	0,76	4,4	368	0						368		
Sample B		15,2	0,90	5,9	368	CVP	15,2	0,12	17%	12,6	17,8	368	360	98%
All results		15,2	0,90	5,9	368	1						368		
(134) Sodium cation (ISE)											247	246	100%	
Samples and groups	[mmol/L]				247									
Sample A		143	2,2	1,6	247	CVP	143	0,35	5%	135	151	247	247	100%
All results		143	2,2	1,6	247	0						247		
Sample B		134	1,8	1,4	247	CVP	134	0,29	5%	127	141	247	246	100%
All results		134	1,8	1,4	247	1						247		
(135) Potassium cation (ISE)											249	245	98%	
Samples and groups	[mmol/L]				249									
Sample A		4,06	0,062	1,5	249	CVP	4,06	0,0097	8%	3,73	4,39	249	249	100%
All results		4,06	0,062	1,5	249	0						249		
Sample B		3,28	0,055	1,7	249	CVP	3,28	0,0085	8%	3,01	3,55	249	245	98%
All results		3,28	0,055	1,7	249	1						249		
(136) Chloride anion (ISE)											228	226	99%	
Samples and groups	[mmol/L]				228									
Sample A		103	2,4	2,3	228	CVP	103	0,38	7%	95,7	111	228	228	100%
All results		103	2,4	2,3	228	0						228		
Sample B		95,2	2,3	2,4	228	CVP	95,2	0,37	7%	88,5	102	228	226	99%
All results		95,2	2,3	2,4	228	1						228		
(137) Calcium cation (ISE)											289	281	97%	
Samples and groups	[mmol/L]				289									
Sample A		0,938	0,035	3,8	289	CVP	0,938	0,0051	10%	0,844	1,04	289	283	98%
All results		0,938	0,035	3,8	289	0						289		
Sample B		1,19	0,035	2,9	289	CVP	1,19	0,0050	10%	1,07	1,31	289	287	99%
All results		1,19	0,035	2,9	289	0						289		
(139) Glucose											221	217	98%	
Samples and groups	[mmol/L]				221									
Sample A		8,87	0,34	3,8	221	CVP	8,87	0,055	15%	7,53	10,2	221	219	99%
All results		8,87	0,34	3,8	221	0						221		
Sample B		12,2	0,45	3,7	221	CVP	12,2	0,075	15%	10,3	14,1	221	218	99%
All results		12,2	0,45	3,7	221	0						221		
(169) Lactate											227	219	96%	
Samples and groups	[mmol/L]				227									
Sample A		6,98	0,43	6,2	227	CVP	6,98	0,070	18%	5,72	8,24	227	222	98%
All results		6,98	0,43	6,2	227	0						227		
Sample B		9,81	0,70	7,1	227	CVP	9,81	0,11	18%	8,04	11,6	227	220	97%
All results		9,81	0,70	7,1	227	0						227		

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End of report

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