

Filter: Slovakia, 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							
		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>					43							43	42	98%
Samples and groups	[-]													
<b>Sample A</b>		7,41	0,0120	1,17	43	CVP	7,41	0,0015	0,8%	7,35	7,47	43	42	98%
All results		7,41	0,0120	1,17	43	0						43		
<b>Sample B</b>		7,62	0,0110	1,15	43	CVP	7,62	0,0017	0,8%	7,55	7,69	43	43	100%
All results		7,62	0,0110	1,15	43	0						43		
<b>(132) pCO2</b>					43							43	41	95%
Samples and groups	[kPa]													
<b>Sample A</b>		5,62	0,25	4,4	43	CVP	5,67	0,033	12%	4,98	6,36	43	42	98%
All results		5,62	0,25	4,4	43	0						43		
<b>Sample B</b>		2,70	0,10	3,9	43	CVP	2,72	0,014	12%	2,39	3,05	43	42	98%
All results		2,70	0,10	3,9	43	0						43		
<b>(133) pO2</b>					43							43	42	98%
Samples and groups	[kPa]													
<b>Sample A</b>		14,7	0,99	6,7	43	CVP	14,5	0,13	17%	12	17	43	42	98%
All results		14,7	0,99	6,7	43	0						43		
<b>Sample B</b>		18,6	0,80	4,3	43	CVP	18,6	0,097	12%	16,3	20,9	43	43	100%
All results		18,6	0,80	4,3	43	0						43		
<b>(134) Sodium cation (ISE)</b>					24							24	24	100%
Samples and groups	[mmol/L]													
<b>Sample A</b>		132	1,8	1,3	24	CVP	132	0,22	5%	125	139	24	24	100%
All results		132	1,8	1,3	24	0						24		
<b>Sample B</b>		159	1,6	1,0	24	CVP	159	0,32	5%	151	167	24	24	100%
All results		159	1,6	1,0	24	0						24		
<b>(135) Potassium cation (ISE)</b>					24							24	24	100%
Samples and groups	[mmol/L]													
<b>Sample A</b>		4,32	0,078	1,8	24	CVP	4,31	0,014	8%	3,96	4,66	24	24	100%
All results		4,32	0,078	1,8	24	0						24		
<b>Sample B</b>		6,23	0,088	1,4	24	CVP	6,22	0,020	8%	5,72	6,72	24	24	100%
All results		6,23	0,088	1,4	24	0						24		
<b>(136) Chloride anion (ISE)</b>					24							24	24	100%
Samples and groups	[mmol/L]													
<b>Sample A</b>		94,6	1,8	1,9	24	CVP	94,6	0,32	7%	87,9	102	24	24	100%
All results		94,6	1,8	1,9	24	0						24		
<b>Sample B</b>		126	2,9	2,3	24	CVP	127	0,51	7%	118	136	24	24	100%
All results		126	2,9	2,3	24	0						24		
<b>(137) Calcium cation (ISE)</b>					27							27	22	81%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,11	0,036	3,3	27	CVP	1,11	0,0055	10%	0,999	1,23	27	26	96%
All results		1,11	0,036	3,3	27	0						27		
<b>Sample B</b>		0,528	0,038	7,2	27							27	23	85%
(61) Radiometer		0,541	0,039	7,2	18	0	CVPG	0,537	0,0076	10%	0,483	0,591	18	
Other					9	0						9		
							1x 53, 3x 60, 4x 179, 1x 198							
<b>(139) Glucose</b>					16							16	16	100%
Samples and groups	[mmol/L]													
<b>Sample A</b>		10,8	0,43	4,0	16	CVP	10,8	0,069	15%	9,18	12,5	16	16	100%
All results		10,8	0,43	4,0	16	0						16		
<b>Sample B</b>		15,5	0,60	3,8	16	CVP	15,5	0,11	15%	13,1	17,9	16	16	100%
All results		15,5	0,60	3,8	16	0						16		
<b>(169) Lactate</b>					14							14	13	93%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,46	0,18	7,3	14	CVP	2,47	0,023	18%	2,02	2,92	14	14	100%
All results		2,46	0,18	7,3	14	0						14		
<b>Sample B</b>		6,56	0,26	4,0	14	CVP	6,78	0,056	18%	5,55	8,01	14	13	93%
All results		6,56	0,26	4,0	14	0						14		

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End of report

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