



## Summary statistics - quantitative results

(Groups: measurement principle)

Filter: Slovakia, minimal size of groups n = 5

## EQA round: AM2/17 - Basic Clinical Chemistry - Urine

Dead line: 13.10.2017

Test	[unit]						Comparability						Traceability										
		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>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>	
<b>(73) Magnesium</b>					38						38	35	92%							0			
Samples and groups	[mmol/L]																						
<b>Sample A</b>		5,00	0,24	4,7	38	CVP	4,99	0,036	20%	3,99	5,99	38	36	95%						0			
(2) Photometry with coloured dyes		5,00	0,24	4,8	37							37											
Other					1							1											
<b>Sample B</b>		2,64	0,16	5,9	38	CVP	2,6	0,023	20%	2,08	3,12	38	36	95%						0			
(2) Photometry with coloured dyes		2,65	0,16	6,0	37							37											
Other					1							1											
<b>(65) Inorganic phosphate</b>					40							40	38	95%						0			
Samples and groups	[mmol/L]																						
<b>Sample A</b>		14,0	0,58	4,2	40	CVP	14,1	0,090	18%	11,5	16,7	40	38	95%						0			
(1) UV-molybdate method		14,0	0,61	4,3	38							38											
Other					2							2											
<b>Sample B</b>		6,85	0,35	5,1	40	CVP	6,92	0,055	18%	5,67	8,17	40	38	95%						0			
(1) UV-molybdate method		6,84	0,36	5,2	38							38											
Other					2							2											
<b>(66) Osmolality</b>					18							18	16	89%						0			
Samples and groups	[mmol/kg]																						
<b>Sample A</b>		756	8,1	1,1	18	CVP	756	1,6	4%	725	787	18	17	94%						0			
(1) Osmometer		757	7,5	0,99	17							17											
Other					1							1											
<b>Sample B</b>		326	5,6	1,7	18	CVP	325	0,79	4%	312	338	18	16	89%						0			
(1) Osmometer		326	5,2	1,6	17							17											
Other					1							1											
<b>(67) Urea</b>					40							40	39	98%						0			
Samples and groups	[mmol/L]																						
<b>Sample A</b>		279	10	3,7	40	CVP	286	2,1	17%	237	335	40	39	98%						0			
(1) UV enzymatic m.(GMD)		279	10	3,8	38							38											
Other					2							2											
<b>Sample B</b>		134	4,7	3,5	40	CVP	136	0,96	17%	112	160	40	39	98%						0			
(1) UV enzymatic m.(GMD)		134	4,9	3,6	38							38											
Other					2							2											
<b>(68) Creatinine</b>					40							0								40	37	93%	
Samples and groups	[mmol/L]																						
<b>Sample A</b>		13,1	0,67	5,1	40							0		RV	12,9	0,28	21%	10,1	15,7	40	37	93%	
(2) Jaffé without depro.		13,1	0,92	7,0	25															25			
(3) Enzyme		13,1	0,37	2,8	15															15			
<b>Sample B</b>		5,94	0,35	5,9	40							0		RV	5,89	0,17	21%	4,65	7,13	40	38	95%	
(2) Jaffé without depro.		5,91	0,47	8,0	25															25			
(3) Enzyme		6,00	0,21	3,5	15															15			

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<b>(69) Uric acid</b>					39							39	35	90%									0
Samples and groups	[mmol/L]																						
<b>Sample A</b>		0,716	0,05	7,9	39	CVP	0,711	0,070	23%	0,547	0,875	39	37	95%									0
(2) Enzyme-photomet. m.		0,716	0,05	7,9	39	0						39											
<b>Sample B</b>		0,322	0,03	11	39	CVP	0,319	0,048	23%	0,245	0,393	39	35	90%									0
(2) Enzyme-photomet. m.		0,322	0,03	11	39	0						39											
<b>(70) Glucose</b>					39							39	36	92%									0
Samples and groups	[mmol/L]																						
<b>Sample A</b>		16,3	0,63	3,9	39	CVP	16,4	0,082	22%	12,7	20,1	39	37	95%									0
(1) GOD photometry		16,4	0,60	3,7	12	0						12											
(3) Method with hexokinase		16,4	0,61	3,7	26	0						26											
Other					1	0						1											
<b>Sample B</b>		1,54	0,10	6,5	39	CVP	1,51	0,013	22%	1,17	1,85	39	36	92%									0
(1) GOD photometry		1,52	0,10	6,7	12	0						12											
(3) Method with hexokinase		1,55	0,09	6,1	26	0						26											
Other					1	0						1											
<b>(71) Total protein</b>					40							33	32	97%									0
Samples and groups	[g/L]																						
<b>Sample A</b>		0,712	0,12	17	40							33	32	97%									0
(2) Pyrogallol red; (58) Beckman Coulter (Olympus)		0,800	0,02	3,0	14	0	CVPG	0,8	0,010	30%	0,56	1,04	14										
(4) Turbidimetry; (60) Roche		0,564	0,02	4,1	10	0	CVPG	0,577	0,011	30%	0,403	0,751	10										
Other					16	0						9											
<b>Sample B</b>		0,231	0,07	32	40							33	32	97%									0
(2) Pyrogallol red; (58) Beckman Coulter (Olympus)		0,282	0,00	3,2	14	0	CVPG	0,282	0,048	30%	0,197	0,367	14										
(4) Turbidimetry; (60) Roche		0,141	0,02	15	10	0	CVPG	0,138	0,048	30%	0,096	0,18	10										
Other					16	0						9											
<b>(72) pH</b>					8							8	8	100%									0
Samples and groups	[-]																						
<b>Sample A</b>		6,63	0,05	0,78	8	CVP	6,63	0,034	5%	6,29	6,97	8	8	100%									0
(1) Glass electrode		6,63	0,05	0,78	8	0						8											
<b>Sample B</b>		6,63	0,06	1,0	8	CVP	6,65	0,066	5%	6,31	6,99	8	8	100%									0
(1) Glass electrode		6,63	0,06	1,0	8	0						8											

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End of report

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