Summary statistics - quantitative results

(Groups: measurement principle)

Filter: Slovakia, minimal size of groups n = 5

EQA round: CSFB2/17 - Cerebrospinal Fluid Analysis

Dead line: 13.11.2017

RoM = robust average
SD = standard deviation
CV = coefficient of variation
Ntot = total number of participants
Nout = number of results excluded before calculation

AV = assigned value
CRV = certified reference value
RV = reference value
CVE = consensus value from experts
CVP = consensus value from all participants
CVPG = consensus value from participants groups
U_{AV} = expanded uncertainty of the assigned value (k = 2)

Dmax = acceptable percent difference
LL = lower limit
UL = upper limit
Neva = number of evaluated participants
Nsuc = number of successful participants
Srel = success (relative)

Test / Samples and groups	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability: AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(330) Total protein	[mg/L]				16							16	16	100%
Sample A		920	72	7,8	16		CVP 919	12	27%	670	1170	16	16	100%
(2) Pyrogallol red		944	50	5,3	9	0						9		
Other					7	0						7		
							2x 1, 3x 4, 2x 99							
Sample B		449	33	7,4	16		CVP 432	7,8	27%	315	549	16	16	100%
(2) Pyrogallol red		464	13	2,9	9	0						9		
Other					7	0						7		
							2x 1, 3x 4, 2x 99							
(331) Glucose	[mmol/L]				16							16	16	100%
Sample A		1,66	0,045	2,7	16		CVP 1,68	0,016	18%	1,37	1,99	16	16	100%
(1) GOD photometry		1,65	0,03	1,8	8	0						8		
(3) Method with hexokinase		1,66	0,067	4,0	8	0						8		
Sample B		3,36	0,099	2,9	16		CVP 3,37	0,029	18%	2,76	3,98	16	16	100%
(1) GOD photometry		3,41	0,14	4,1	8	0						8		
(3) Method with hexokinase		3,32	0,11	3,5	8	0						8		
(333) Albumin	[mg/L]				14							14	14	100%
Sample A		343	26	7,5	14		CVP 354	6,2	23%	272	436	14	14	100%
(1) Immunoturbidimetry		339	29	8,5	11	0						11		
Other					3	0						3		
							3x 2							
Sample B		265	15	5,7	14		CVP 263	5,1	23%	202	324	14	14	100%
(1) Immunoturbidimetry		263	18	7,0	11	0						11		
Other					3	0						3		
							3x 2							
(334) IgG	[mg/L]				8							8	7	88%
Sample A		446	67	15	8		CVP 434	8,6	24%	329	539	8	8	100%
Other					8	0						8		
							4x 2, 4x 3							
Sample B		64,6	5,6	8,6	8		CVP 64,2	1,9	24%	48,7	79,7	8	7	88%
Other					8	0						8		
							4x 2, 4x 3							
(335) IgA	[mg/L]				4							4	4	100%
Sample A		26,2	6,2	24	4		CVP 23,3	0,84	32%	15,8	30,8	4	4	100%
Other					4	0						4		
							1x 2, 3x 3							
Sample B		11,7	2,5	22	4		CVP 10,9	0,37	32%	7,41	14,4	4	4	100%
Other					4	0						4		
							1x 2, 3x 3							
(336) IgM	[mg/L]				4							4	4	100%
Sample A		20,5	1,3	6,5	4		CVP 20,1	0,64	31%	13,8	26,4	4	4	100%
Other					4	0						4		
							1x 2, 3x 3							
Sample B		4,76	0,39	8,1	4		CVP 4,9	0,20	31%	3,38	6,42	4	4	100%
Other					4	0						4		
							1x 2, 3x 3							
(338) Lactate	[mmol/L]				14							14	14	100%
Sample A		4,09	0,14	3,5	14		CVP 4,04	0,044	20%	3,23	4,85	14	14	100%
(1) Enzymatic UV method		4,04	0,29	7,2	8	0						8		
Other					6	0						6		
							2x 2, 4x 4							
Sample B		2,07	0,077	3,7	14		CVP 2,06	0,025	20%	1,64	2,48	14	14	100%
(1) Enzymatic UV method		2,07	0,067	3,2	8	0						8		
Other					6	0						6		
							2x 2, 4x 4							