Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of the groups n = 5

EQA round: CSFB2/22 - Cerebrospinal Fluid Analysis

Deadline: 28.11.2022

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]	RoM	SD	CV [%]	N_{tot}	N_{out}		AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(330) Total protein	[mg/L]				99								99	96	97%
Samples and groups															
Sample A		284	41	14	99		CVP	284	10,0	27%	207	361	99	96	97%
(2) Pyrogallol red		320	38	12	38	0							38		
(4) Turbidimetry		263	14	5,4	55	0							55		
Other					6	0	4x 1, 2x 99						6		
Sample B		625	50	8,0	99		CVP	625	12	27%	456	794	99	99	100%
(2) Pyrogallol red		666	38	5,8	38	0							38		
(4) Turbidimetry		600	26	4,4	55	0							55		
Other					6	0	4x 1, 2x 99						6		
(331) Glucose	[mmol/L]				99								99	98	99%
Samples and groups															
Sample A		3,36	0,089	2,7	99		CVP	3,36	0,022	18%	2,75	3,97	99	98	99%
(1) GOD photometry		3,35	0,084	2,5	13	0							13		
(3) Method with hexokinase		3,36	0,089	2,7	84	0							84		
Other					2	0	2x 2						2		
Sample B		2,12	0,067	3,1	99		CVP	2,12	0,016	18%	1,73	2,51	99	99	100%
(1) GOD photometry		2,10	0,10	4,8	13	0							13		
(3) Method with hexokinase		2,12	0,06	2,8	84	0							84		
Other					2	0	2x 2						2		
(333) Albumin	[mg/L]				75								75	73	97%
Samples and groups															
Sample A		184	13	7,3	75		CVP	184	3,8	23%	141	227	75	74	99%
(1) Immunoturbidimetry		181	12	6,4	53	0							53		
(2) Immunonephelometry		193	13	6,8	21	0							21		
Other					1	0	1x 99						1		
Sample B		412	29	6,9	75		CVP	412	8,1	23%	317	507	75	74	99%
(1) Immunoturbidimetry		407	27	6,8	53	0							53		
(2) Immunonephelometry		429	24	5,5	21	0							21		
Other					1	0	1x 99						1		
(334) IgG	[mg/L]				46								46	45	98%
Samples and groups															
Sample A		31,0	2,9	9,2	46		CVP	31	1,0	24%	23,5	38,5	46	45	98%
(2) Immunoturbidimetry		30,1	3,2	11	24	0							24		
(3) Immunonephelometry		32,0	1,8	5,5	22	0							22		
Sample B		73,3	4,3	5,9	46		CVP	73,3	1,6	24%	55,7	90,9	46	46	100%
(2) Immunoturbidimetry		72,9	4,6	6,3	24	0							24		
(3) Immunonephelometry		73,8	4,0	5,4	22	0							22		
(335) IgA	[mg/L]				20								20	18	90%
Samples and groups															
Sample A		4,95	0,51	10	20		CVP	4,95	0,28	32%	3,36	6,54	20	18	90%
(2) Immunoturbidimetry		5,16	0,53	10	5	0							5		
(3) Immunonephelometry		4,92	0,44	8,9	15	0							15		
Sample B		8,75	1,0	11	20		CVP	8,75	0,55	32%	5,95	11,6	20	19	95%
(2) Immunoturbidimetry		8,81	1,0	12	5	0							5		
(3) Immunonephelometry		8,72	0,90	10	15	0							15		
(336) IgM	[mg/L]				30								30	29	97%
Samples and groups															
Sample A		1,65	0,22	13	30		CVP	1,65	0,097	31%	1,13	2,17	30	29	97%
(2) Immunoturbidimetry		1,47	0,17	12	11	0							11		
(3) Immunonephelometry		1,74	0,14	8,1	19	0							19		
Sample B		50,1	5,8	12	30		CVP	50,1	2,6	31%	34,5	65,7	30	30	100%
(2) Immunoturbidimetry		45,9	4,2	9,2	11	0							11		
(3) Immunonephelometry		52,7	5,0	9,5	19	0							19		
(338) Lactate	[mmol/L]				96								96	92	96%
Samples and groups															
Sample A		1,94	0,096	4,9	96		CVP	1,94	0,024	20%	1,55	2,33	96	93	97%
(1) Enzymatic UV method		1,94	0,094	4,8	39	0							39		

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Test	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability						N_{eva}	N_{suc}	S_{rel}
								AV	U_{AV}	D_{max}	LL	UL			
(338) Lactate	[mmol/L]				96								96	92	96%
Samples and groups															
Sample A		1,94	0,096	4,9	96		CVP	1,94	0,024	20%	1,55	2,33	96	93	97%
(4) Photometric enzyme method		1,94	0,096	4,9	52	0							52		
Other					5	0							5		
							4x 2, 1x 99								
Sample B		8,04	0,41	5,2	96		CVP	8,04	0,10	20%	6,43	9,65	96	95	99%
(1) Enzymatic UV method		8,00	0,34	4,2	39	0							39		
(4) Photometric enzyme method		8,08	0,48	5,9	52	0							52		
Other					5	0							5		
							4x 2, 1x 99								

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End of report

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