

Summary statistics - quantitative results

(Groups: manufacturer of kit)

Filter: minimal size of the groups n = 5

EQA round: CSFB2/21 - Cerebrospinal Fluid Analysis

Deadline: 29.11.2021

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					Comparability								
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(330) Total protein					99							99	96	97%	
Samples and groups	[mg/L]														
Sample A		305	44	14	99	CVP	305	11	29%	216	394	99	96	97%	
(1) Abbott		286	16	5,5	13	0						13			
(58) Beckman Coulter (AU)		341	19	5,7	13	0						13			
(60) Roche		276	17	6,3	41	0						41			
(162) Siemens (Atellica)		380	16	4,1	7	0						7			
(179) Siemens		370	12	3,2	5	0						5			
Other					20	0						20			
							1x 12, 2x 46, 1x 49, 1x 75, 4x 77, 1x 85, 1x 115, 4x 149, 1x 158, 1x 166, 2x 178, 1x 998								
Sample B		604	55	9,1	99	CVP	604	13	27%	440	768	99	99	100%	
(1) Abbott		598	34	5,7	13	0						13			
(58) Beckman Coulter (AU)		656	23	3,4	13	0						13			
(60) Roche		564	25	4,4	41	0						41			
(162) Siemens (Atellica)		655	7,4	1,1	7	0						7			
(179) Siemens		646	19	3,0	5	0						5			
Other					20	0						20			
							1x 12, 2x 46, 1x 49, 1x 75, 4x 77, 1x 85, 1x 115, 4x 149, 1x 158, 1x 166, 2x 178, 1x 998								
(331) Glucose					99							99	99	100%	
Samples and groups	[mmol/L]														
Sample A		3,36	0,11	3,3	99	CVP	3,36	0,028	18%	2,75	3,97	99	99	100%	
(1) Abbott		3,35	0,13	4,0	11	0						11			
(46) Erba Lachema		3,42	0,23	6,7	7	0						7			
(58) Beckman Coulter (AU)		3,42	0,15	4,3	15	0						15			
(60) Roche		3,33	0,069	2,1	40	0						40			
(162) Siemens (Atellica)		3,42	0,030	0,87	8	0						8			
(179) Siemens		3,45	0,074	2,1	5	0						5			
Other					13	0						13			
							1x 5, 1x 12, 2x 49, 4x 149, 2x 158, 1x 178, 1x 187, 1x 188								
Sample B		1,91	0,067	3,5	99	CVP	1,91	0,017	18%	1,56	2,26	99	99	100%	
(1) Abbott		1,89	0,058	3,1	11	0						11			
(46) Erba Lachema		1,98	0,19	9,4	7	0						7			
(58) Beckman Coulter (AU)		1,92	0,07	3,6	15	0						15			
(60) Roche		1,90	0,032	1,7	40	0						40			
(162) Siemens (Atellica)		1,95	0,074	3,8	8	0						8			
(179) Siemens		1,93	0,037	1,9	5	0						5			
Other					13	0						13			
							1x 5, 1x 12, 2x 49, 4x 149, 2x 158, 1x 178, 1x 187, 1x 188								
(333) Albumin					76							76	75	99%	
Samples and groups	[mg/L]														
Sample A		195	15	7,7	76	CVP	195	4,2	23%	150	240	76	76	100%	
(1) Abbott		204	13	6,2	8	0						8			
(12) Beckman Coulter		206	19	9,0	6	0						6			
(58) Beckman Coulter (AU)		194	8,3	4,3	8	0						8			
(60) Roche		187	11	5,8	22	0						22			
(149) Siemens (Dade, BN, Dimension)		210	9,8	4,6	11	0						11			
(162) Siemens (Atellica)		189	8,9	4,7	5	0						5			
(179) Siemens		196	24	12	7	0						7			
Other					9	0						9			
							1x 28, 1x 29, 1x 49, 1x 75, 2x 91, 1x 152, 1x 178, 1x 999								
Sample B		390	29	7,5	76	CVP	390	8,2	23%	300	480	76	75	99%	
(1) Abbott		401	16	4,1	8	0						8			
(12) Beckman Coulter		392	13	3,2	6	0						6			
(58) Beckman Coulter (AU)		394	13	3,4	8	0						8			
(60) Roche		375	16	4,1	22	0						22			
(149) Siemens (Dade, BN, Dimension)		420	16	3,9	11	0						11			
(162) Siemens (Atellica)		350	16	4,7	5	0						5			
(179) Siemens		392	47	12	7	0						7			
Other					9	0						9			
							1x 28, 1x 29, 1x 49, 1x 75, 2x 91, 1x 152, 1x 178, 1x 999								
(334) IgG					45							45	42	93%	
Samples and groups	[mg/L]														
Sample A		32,6	2,5	7,8	45	CVP	32,6	0,93	24%	24,7	40,5	45	43	96%	
(12) Beckman Coulter		34,2	1,0	3,0	7	0						7			
(60) Roche		30,7	1,9	6,3	13	0						13			
(91) Binding Site		35,2	0,330	0,95	5	0						5			

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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					
(334) IgG					45								45	42	93%	
Samples and groups	[mg/L]															
Sample A		32,6	2,5	7,8	45		CVP	32,6	0,93	24%	24,7	40,5	45	43	96%	
(149) Siemens (Dade, BN, Dimension)		33,5	2,3	6,8	10	0							10			
Other					10	0							10			
Sample B		69,8	5,0	7,2	45		CVP	69,8	1,8	24%	53	86,6	45	44	98%	
(12) Beckman Coulter		73,5	2,7	3,7	7	0							7			
(60) Roche		66,3	3,1	4,6	13	0							13			
(91) Binding Site		75,4	5,3	7,1	5	0							5			
(149) Siemens (Dade, BN, Dimension)		69,6	4,7	6,7	10	0							10			
Other					10	0							10			
								1x 28, 1x 29, 2x 58, 1x 162, 1x 178, 4x 179								
(335) IgA					22								22	20	91%	
Samples and groups	[mg/L]															
Sample A		5,98	0,40	6,7	22		CVP	5,98	0,21	32%	4,06	7,9	22	21	95%	
(12) Beckman Coulter		6,05	0,38	6,3	6	0							6			
(149) Siemens (Dade, BN, Dimension)		5,86	0,39	6,7	10	0							10			
Other					6	0							6			
Sample B		9,59	0,77	8,1	22		CVP	9,59	0,40	32%	6,52	12,7	22	21	95%	
(12) Beckman Coulter		10,2	0,73	7,1	6	0							6			
(149) Siemens (Dade, BN, Dimension)		9,03	0,60	6,7	10	0							10			
Other					6	0							6			
								1x 58, 2x 91, 3x 179								
(336) IgM					30								30	27	90%	
Samples and groups	[mg/L]															
Sample A		1,94	0,21	11	30		CVP	1,94	0,093	31%	1,33	2,55	30	28	93%	
(12) Beckman Coulter		1,74	0,059	3,4	6	0							6			
(149) Siemens (Dade, BN, Dimension)		1,96	0,12	6,1	10	0							10			
Other					14	0							14			
Sample B		61,8	5,7	9,3	30		CVP	61,8	2,6	31%	42,6	81	30	29	97%	
(12) Beckman Coulter		59,6	4,2	7,0	6	0							6			
(149) Siemens (Dade, BN, Dimension)		61,3	3,7	6,1	10	0							10			
Other					14	0							14			
								1x 29, 1x 58, 4x 60, 4x 91, 1x 162, 3x 179								
(338) Lactate					96								96	93	97%	
Samples and groups	[mmol/L]															
Sample A		2,08	0,10	5,0	96		CVP	2,08	0,026	20%	1,66	2,5	96	96	100%	
(1) Abbott		2,17	0,045	2,1	9	0							9			
(49) BioVendor		1,96	0,0070	3,8	5	0							5			
(58) Beckman Coulter (AU)		2,07	0,077	3,7	12	0							12			
(60) Roche		2,12	0,06	2,8	43	0							43			
(162) Siemens (Atellica)		1,91	0,089	4,7	8	0							8			
(179) Siemens		1,91	0,096	5,1	5	0							5			
Other					14	0							14			
Sample B		7,51	0,32	4,2	96		CVP	7,51	0,079	20%	6	9,02	96	93	97%	
(1) Abbott		7,86	0,31	4,0	9	0							9			
(49) BioVendor		7,05	0,17	2,4	5	0							5			
(58) Beckman Coulter (AU)		7,58	0,26	3,5	12	0							12			
(60) Roche		7,47	0,19	2,5	43	0							43			
(162) Siemens (Atellica)		7,22	0,75	10	8	0							8			
(179) Siemens		7,51	0,14	1,9	5	0							5			
Other					14	0							14			
								1x 12, 1x 61, 2x 75, 1x 116, 4x 149, 1x 178, 2x 187, 2x 188								

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End of report

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