

Summary statistics - quantitative results

(Groups: measurement principle)

Filter: Slovakia, 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]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(330) Total protein					15							15	15	100%
— Samples and groups	[mg/L]													
Sample A		286	35	12	15	CVP	284	10,0	27%	207	361	15	15	100%
(2) Pyrogallol red		300	30	9,9	7	0						7		
Other					8	0						8		
							2x 1, 4x 4, 2x 99							
Sample B		634	55	8,7	15	CVP	625	12	27%	456	794	15	15	100%
(2) Pyrogallol red		649	58	8,9	7	0						7		
Other					8	0						8		
							2x 1, 4x 4, 2x 99							
(331) Glucose					15							15	15	100%
— Samples and groups	[mmol/L]													
Sample A		3,41	0,12	3,5	15	CVP	3,36	0,022	18%	2,75	3,97	15	15	100%
(3) Method with hexokinase		3,41	0,12	3,4	10	0						10		
Other					5	0						5		
							4x 1, 1x 2							
Sample B		2,12	0,084	4,0	15	CVP	2,12	0,016	18%	1,73	2,51	15	15	100%
(3) Method with hexokinase		2,13	0,061	2,8	10	0						10		
Other					5	0						5		
							4x 1, 1x 2							
(333) Albumin					14							14	14	100%
— Samples and groups	[mg/L]													
Sample A		184	11	6,2	14	CVP	184	3,8	23%	141	227	14	14	100%
(1) Immunoturbidimetry		181	7,4	4,1	9	0						9		
(2) Immunonephelometry		190	14	7,4	5	0						5		
Sample B		417	25	6,1	14	CVP	412	8,1	23%	317	507	14	14	100%
(1) Immunoturbidimetry		414	25	6,0	9	0						9		
(2) Immunonephelometry		435	7,4	1,7	5	0						5		
(334) IgG					10							10	10	100%
— Samples and groups	[mg/L]													
Sample A		32,4	3,3	10	10	CVP	31	1,0	24%	23,5	38,5	10	10	100%
(3) Immunonephelometry		33,3	0,89	2,7	6	0						6		
Other					4	0						4		
							4x 2							
Sample B		74,2	4,9	6,5	10	CVP	73,3	1,6	24%	55,7	90,9	10	10	100%
(3) Immunonephelometry		74,2	4,2	5,7	6	0						6		
Other					4	0						4		
							4x 2							
(335) IgA					3							3	3	100%
— Samples and groups	[mg/L]													
Sample A		5,42	0,70	13	3	CVP	4,95	0,28	32%	3,36	6,54	3	3	100%
Other					3	0						3		
							1x 2, 2x 3							
Sample B		9,32	1,3	14	3	CVP	8,75	0,55	32%	5,95	11,6	3	3	100%
Other					3	0						3		
							1x 2, 2x 3							
(336) IgM					5							5	5	100%
— Samples and groups	[mg/L]													
Sample A		1,69	0,037	2,2	5	CVP	1,65	0,097	31%	1,13	2,17	5	5	100%
Other					5	0						5		
							1x 2, 4x 3							
Sample B		52,3	7,0	13	5	CVP	50,1	2,6	31%	34,5	65,7	5	5	100%
Other					5	0						5		
							1x 2, 4x 3							
(338) Lactate					14							14	13	93%
— Samples and groups	[mmol/L]													
Sample A		1,96	0,08	4,1	14	CVP	1,94	0,024	20%	1,55	2,33	14	14	100%
(1) Enzymatic UV method		1,94	0,052	2,7	6	0						6		
(4) Photometric enzyme method		1,97	0,082	4,1	5	0						5		
Other					3	0						3		
							3x 2							
Sample B		8,16	0,24	3,0	14	CVP	8,04	0,10	20%	6,43	9,65	14	13	93%
(1) Enzymatic UV method		8,03	0,11	1,4	6	0						6		
(4) Photometric enzyme method		8,22	0,18	2,2	5	0						5		
Other					3	0						3		
							3x 2							