

EQA round: CSFK1/25 - Cerebrospinal Fluid Diagnostics

Deadline: 7.2.2025

Setup: groups - R (manufacturer of kit); minimal size of the groups n = 5

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVP = consensus of all participants	LL = lower limit
CV = coefficient of variation	U _{AV} = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N _{tot} = total number of the results		N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{rel} = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
(398) Albumin	[mg/L]				46							46	46	100	
Sample K		200	16	7,9	46		CVP	200	5,7	23%	154	246	46	46	100
(60) Roche		195	5,6	2,8	15	0							15		
(149) Siemens (Dade, BN, Dimension)		207	3	1,4	7	0							7		
(162) Siemens (Atellica)		186	24	13	11	0							11		
Other					13	0							13		
								2x 1, 3x 12, 1x 58, 3x 91, 4x 179							
(396) Glucose	[mmol/L]				45							45	45	100	
Sample K		3,04	0,1	3,3	45		CVP	3,04	0,037	18%	2,49	3,59	45	45	100
(58) Beckman Coulter (AU)		2,99	0,059	2	5	0							5		
(60) Roche		3,01	0,082	2,7	21	0							21		
(162) Siemens (Atellica)		3,11	0,14	4,5	8	0							8		
Other					11	0							11		
								1x 0, 2x 1, 4x 46, 1x 75, 1x 178, 1x 179, 1x 188							
(401) IgA	[mg/L]				22							22	21	95	
Sample K		4,97	0,39	7,8	22		CVP	4,97	0,2	32%	3,37	6,57	22	21	95
(149) Siemens (Dade, BN, Dimension)		4,84	0,42	8,7	8	0							8		
(162) Siemens (Atellica)		5,14	0,27	5,3	5	0							5		
Other					9	0							9		
								3x 12, 4x 91, 2x 179							
(399) IgG	[mg/L]				38							38	37	97	
Sample K		20,5	1,8	8,6	38		CVP	20,5	0,71	24%	15,5	25,5	38	37	97
(60) Roche		19	1,3	7	13	0							13		
(91) Binding Site		23,1	0,34	1,5	5	0							5		
(149) Siemens (Dade, BN, Dimension)		21,8	0,89	4,1	8	0							8		
(162) Siemens (Atellica)		20,9	0,39	1,9	6	1							6		
Other					6	0							6		
								3x 12, 3x 179							
(402) IgM	[mg/L]				25							25	24	96	
Sample K		2,95	0,19	6,3	25		CVP	2,95	0,093	31%	2,03	3,87	25	24	96
(91) Binding Site		3,05	0,13	4,4	5	0							5		
(149) Siemens (Dade, BN, Dimension)		2,93	0,19	6,3	8	0							8		
(162) Siemens (Atellica)		3,04	0,11	3,7	5	1							5		
Other					7	0							7		
								3x 12, 2x 60, 2x 179							
(411) Intrathec. synt. IgA	[mg/L]				21							21	18	86	
Sample K												21	18	86	
(0) not specified		0	0		21	3	CVP	0	asym.	0	1	21			
(410) Intrathec. synt. IgG	[mg/L]				38							38	34	89	
Sample K												38	34	89	
(0) not specified		0	0		38	4	CVP	0	asym.	0	1	38			
(412) Intrathec. synt. IgM	[mg/L]				24							24	21	88	
Sample K												24	21	88	
(0) not specified		0	0		24	3	CVP	0	asym.	0	1	24			
(403) Lactate	[mmol/L]				46							46	46	100	
Sample K		1,48	0,066	4,5	46		CVP	1,48	0,024	20%	1,18	1,78	46	46	100
(60) Roche		1,48	0,051	3,4	24	0							24		
(162) Siemens (Atellica)		1,52	0,059	3,9	8	0							8		
Other					14	0							14		
								3x 1, 4x 58, 1x 75, 1x 116, 1x 178, 1x 179, 2x 188, 1x 998							
(413) Barrier permeability	[·10 ⁻³]				46							46	45	98	
Sample K												46	45	98	
(0) not specified		5	0,4	7,9	46	1	CVP	5	0,14	25%	3,75	6,25	46		