Summary statistics - quantitative results

EQA round: CRP4/24 - C-Reactive Protein

Deadline: 29.11.2024

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

RoM = robust average
SD = standard deviation
CV = coefficient of variation
N_{tot} = total number of the results
N_{out} = number of the results removed before calculation

AV = assigned value
CVP = consensus of all participants
U_{AV} = expanded uncertainty of the assigned value (k = 2)

D_{max} = acceptable difference
LL = lower limit
UL = upper limit
N_{eva} = number of the results assessed
N_{suc} = number of successful results
S_{rel} = relative success

Test / Sample / Group	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
(100) **C-reactive protein**	[mg/L]				207								207	205	99
Sample A		8,89	0,66	7,5	207		CVP	8,89	0,11	24%	6,75	11,1	207	205	99
(1) Abbott		8,95	0,3	3,3	51	0							51		
(12) Beckman Coulter		9,42	0,18	1,9	6	0							6		
(58) Beckman Coulter (AU)		9,41	0,33	3,5	26	0							26		
(60) Roche		8,42	0,24	2,8	77	0							77		
(162) Siemens (Atellica)		10,4	0,44	4,2	12	0							12		
(177) Mindray		8,84	0,68	7,7	7	0							7		
(178) DiaSys		7,96	0,96	12	6	0							6		
(179) Siemens		10,6	0,67	6,3	5	0							5		
Other					17	0							17		
							1x 0, 1x 5, 1x 46, 1x 49, 1x 70, 1x 75, 2x 116, 1x 124, 1x 140, 3x 149, 1x 152, 2x 166, 1x 200								
Sample B		39,2	1,9	4,8	207		CVP	39,2	0,32	24%	29,7	48,7	207	206	100
(1) Abbott		40,4	0,89	2,2	51	0							51		
(12) Beckman Coulter		40	2,5	6,3	6	0							6		
(58) Beckman Coulter (AU)		40,2	1,8	4,6	26	0							26		
(60) Roche		37,9	1,2	3,1	77	0							77		
(162) Siemens (Atellica)		40,1	0,6	1,5	12	0							12		
(177) Mindray		39,3	1,9	4,7	7	0							7		
(178) DiaSys		38,8	0,94	2,4	6	0							6		
(179) Siemens		40,5	0,67	1,6	5	0							5		
Other					17	0							17		
							1x 0, 1x 5, 1x 46, 1x 49, 1x 70, 1x 75, 2x 116, 1x 124, 1x 140, 3x 149, 1x 152, 2x 166, 1x 200								