

EQA round: CRP2/24 - C-Reactive Protein

Deadline: 3.5.2024

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				
(100) C-reactive protein	[mg/L]				183							183	182	99	
Sample A		39	2	5,1	183		CVP	39	0,36	24%	29,6	48,4	183	183	100
(1) Abbott		40,3	1	2,6	49	0							49		
(58) Beckman Coulter (AU)		40,3	1,1	2,6	20	0							20		
(60) Roche		37,3	1,1	3,1	63	0							63		
(162) Siemens (Atellica)		39,8	1,1	2,8	12	0							12		
(177) Mindray		39,3	1,1	2,8	6	0							6		
(178) DiaSys		39,3	2,7	6,8	6	0							6		
(179) Siemens		40	0,44	1,1	5	0							5		
Other					22	0							22		
								3x 0, 4x 12, 1x 46, 2x 49, 1x 61, 2x 70, 1x 73, 1x 75, 2x 116, 1x 149, 1x 152, 2x 166, 1x 200							
Sample B		45,2	2,4	5,3	183		CVP	45,2	0,44	24%	34,3	56,1	183	182	99
(1) Abbott		46,5	1,3	2,7	49	0							49		
(58) Beckman Coulter (AU)		47,6	1,7	3,6	20	0							20		
(60) Roche		43,2	1,4	3,2	63	0							63		
(162) Siemens (Atellica)		44,9	1,1	2,4	12	0							12		
(177) Mindray		46,8	1	2,2	6	0							6		
(178) DiaSys		45,2	3,8	8,4	6	0							6		
(179) Siemens		45,5	0,66	1,5	5	0							5		
Other					22	0							22		
								3x 0, 4x 12, 1x 46, 2x 49, 1x 61, 2x 70, 1x 73, 1x 75, 2x 116, 1x 149, 1x 152, 2x 166, 1x 200							