

EQA round: CRPP4/23 - C-Reactive Protein POCT

Deadline: 8.9.2023

Setup: groups - measuring system; minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N_{tot} = total number of the resultsN_{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 assessedN_{suc} = number of successful resultsS_{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				
(104) C-reactive protein	[mg/L]				102								102	87	85
Sample A		57,9	6,5	11	102		CVP	57,9	1,6	24%	44	71,8	102	90	88
(130) Aidian QuikRead 101		59,1	9,1	15	10	0							10		
(133) BodiTech i-Chroma, AFIAS		59,1	9,2	15	17	0							17		
(134) Aidian QuikRead go		58,9	5,4	9,1	58	1							58		
(136) Radiometer AQT90 FLEX		56,5	2,2	3,9	5	0							5		
Other					12	0							12		
								2x 131, 4x 135, 4x 137, 2x 999							
Sample B		27,7	3,4	12	102		CVP	27,7	0,82	24%	21	34,4	102	88	86
(130) Aidian QuikRead 101		27,1	3,8	14	10	0							10		
(133) BodiTech i-Chroma, AFIAS		32,6	11	33	17	0							17		
(134) Aidian QuikRead go		27,7	3	11	58	1							58		
(136) Radiometer AQT90 FLEX		28	0	0	5	0							5		
Other					12	0							12		
								2x 131, 4x 135, 4x 137, 2x 999							