

EQA round: CRPP4/24 - C-Reactive Protein POCT

Deadline: 6.9.2024

Setup: groups - S (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								
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel} [%]	
(104) C-reactive protein	[mg/L]				111							111	100	90	
Sample A		29,6	2,9	9,8	111		CVP	29,6	0,68	24%	22,4	36,8	111	104	94
(130) Aidian QuikRead 101		34,2	2,7	7,8	6	0							6		
(133) BodiTech i-Chroma, AFIAS		32,3	2,2	6,7	17	2							17		
(134) Aidian QuikRead go		28,7	2	7,1	72	0							72		
(135) Abbott Alere Afinion		29	1,5	5,1	5	0							5		
(136) Radiometer AQT90 FLEX		32	1,5	4,6	5	0							5		
Other					6	0							6		
								1x 0, 1x 131, 1x 132, 1x 137, 2x 999							
Sample B		45,2	5,1	11	111		CVP	45,2	1,2	24%	34,3	56,1	111	101	91
(130) Aidian QuikRead 101		52,2	6,2	12	6	0							6		
(133) BodiTech i-Chroma, AFIAS		46,7	1,8	3,8	17	1							17		
(134) Aidian QuikRead go		44,8	5,3	12	72	0							72		
(135) Abbott Alere Afinion		44,5	2,2	5	5	0							5		
(136) Radiometer AQT90 FLEX		46,5	0,74	1,6	5	0							5		
Other					6	0							6		
								1x 0, 1x 131, 1x 132, 1x 137, 2x 999							