

EQA round: CRPP2/24 - C-Reactive Protein POCT

Deadline: 1.3.2024

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						N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL					
Set 1																
(104) C-reactive protein	[mg/L]				154									154	138	90
Sample A		27,4	2,5	9,3	154		CVP	27,4	0,5	24%	20,8	34		154	142	92
(130) Aidian QuikRead 101		28	3	11	15	0								15		
(133) BodiTech i-Chroma, AFIAS		31,6	7,3	23	9	1								9		
(134) Aidian QuikRead go		27,4	2,3	8,4	110	0								110		
Other					20	0								20		
																2x 0, 2x 131, 1x 132, 4x 135, 4x 136, 3x 137, 4x 999
Sample B		52,4	4,9	9,4	154		CVP	52,4	0,98	24%	39,8	65		154	144	94
(130) Aidian QuikRead 101		51,8	5,7	11	15	0								15		
(133) BodiTech i-Chroma, AFIAS		63,8	21	33	9	1								9		
(134) Aidian QuikRead go		52,9	4,6	8,6	110	0								110		
Other					20	0								20		
																2x 0, 2x 131, 1x 132, 4x 135, 4x 136, 3x 137, 4x 999
Set 2																
(104) C-reactive protein	[mg/L]				161									161	143	89
Sample A		27,5	3,1	11	161		CVP	27,5	0,6	24%	20,9	34,1		161	151	94
(130) Aidian QuikRead 101		28	4,8	17	14	0								14		
(133) BodiTech i-Chroma, AFIAS		30,9	2,1	6,7	25	0								25		
(134) Aidian QuikRead go		26,8	2,5	9,2	106	0								106		
(136) Radiometer AQT90 FLEX		28	1,5	5,3	5	0								5		
Other					11	1								11		
																1x 0, 2x 131, 1x 132, 2x 135, 1x 137, 4x 999
Sample B		27,2	2,9	11	161		CVP	27,2	0,56	24%	20,6	33,8		161	148	92
(130) Aidian QuikRead 101		26,8	3,9	15	14	0								14		
(133) BodiTech i-Chroma, AFIAS		28,4	3	11	25	0								25		
(134) Aidian QuikRead go		26,9	2,6	9,6	106	0								106		
(136) Radiometer AQT90 FLEX		28	1,5	5,3	5	0								5		
Other					11	0								11		
																1x 0, 2x 131, 1x 132, 2x 135, 1x 137, 4x 999