

EQA round: CRPP3/23 - C-Reactive Protein POCT

Deadline: 9.6.2023

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]				174								174	151	87
Sample A		26,6	2,8	11	174		CVP	26,6	0,52	24%	20,2	33	174	154	89
(130) Aidian QuikRead 101		26,7	2,6	9,8	13	0							13		
(131) Axis-Shield NycoCard		25,8	1,8	6,9	5	0							5		
(133) BodiTech i-Chroma, AFIAS		39,8	17	44	7	0							7		
(134) Aidian QuikRead go		26,5	2,8	11	141	0							141		
Other					8	0							8		
							1x 0, 2x 135, 2x 136, 3x 999								
Sample B		57,7	6,1	11	174		CVP	57,7	1,1	24%	43,8	71,6	174	159	91
(130) Aidian QuikRead 101		58,6	6,9	12	13	0							13		
(131) Axis-Shield NycoCard		59,4	5,3	9	5	0							5		
(133) BodiTech i-Chroma, AFIAS		86,8	43	50	7	0							7		
(134) Aidian QuikRead go		57,5	5,9	10	141	0							141		
Other					8	0							8		
							1x 0, 2x 135, 2x 136, 3x 999								