

## EQA round: CRPP2/25 - C-Reactive Protein POCT

Deadline: 28.2.2025

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

RoM = robust average

AV = assigned value

D<sub>max</sub> = acceptable difference

SD = standard deviation

CVP = consensus of all participants

LL = lower limit

CV = coefficient of variation

U<sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)

UL = upper limit

N<sub>tot</sub> = total number of the resultsN<sub>eva</sub> = number of the results assessedN<sub>out</sub> = number of the results removed before calculationN<sub>suc</sub> = number of successful resultsS<sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability						N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
<b>(104) C-reactive protein</b>	[mg/L]				350								350	312	89
<b>Sample A</b>		25,8	3	11	350		CVP	25,8	0,39	24%	19,6	32	350	318	91
(130) Aidian QuikRead 101		27	2,9	11	26	0							26		
(133) BodiTech i-Chroma, AFIAS		28,3	4,7	17	43	0							43		
(134) Aidian QuikRead go		25,5	2,5	9,9	243	0							243		
(135) Abbott Alere Afinion		25,5	0,74	2,9	6	0							6		
(136) Radiometer AQT90 FLEX		26,5	0,74	2,8	9	0							9		
(999) another system		21,3	5,2	24	15	0							15		
Other					8	0							8		
								2x 0, 4x 131, 1x 132, 1x 137							
<b>Sample B</b>		65,1	6,5	10	350		CVP	65,1	0,85	24%	49,4	80,8	350	326	93
(130) Aidian QuikRead 101		69,5	7,2	10	26	0							26		
(133) BodiTech i-Chroma, AFIAS		70,2	7,1	10	43	1							43		
(134) Aidian QuikRead go		64,6	5,8	9	243	0							243		
(135) Abbott Alere Afinion		61	3	4,9	6	0							6		
(136) Radiometer AQT90 FLEX		62,5	2,2	3,6	9	0							9		
(999) another system		56,7	7,8	14	15	0							15		
Other					8	0							8		
								2x 0, 4x 131, 1x 132, 1x 137							