

## EQA round: CRP1/25 - C-Reactive Protein

Deadline: 21.3.2025

Setup: groups - R (manufacturer of kit); 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								
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
<b>(100) C-reactive protein</b>	[mg/L]				294							294	287	98	
<b>Sample A</b>		10,1	0,72	7,1	294		CVP	10,1	0,1	24%	7,67	12,6	294	288	98
(1) Abbott		10,2	0,39	3,8	69	0							69		
(12) Beckman Coulter		10,7	0,34	3,2	8	0							8		
(58) Beckman Coulter (AU)		10,5	0,49	4,7	41	0							41		
(60) Roche		9,7	0,26	2,6	113	0							113		
(149) Siemens (Dade, BN, Dimension)		10,3	1,5	15	7	0							7		
(162) Siemens (Atellica)		12,2	0,5	4,1	28	0							28		
(178) DiaSys		9,55	0,81	8,5	5	0							5		
(179) Siemens		11,7	0,074	0,64	7	0							7		
Other					16	0							16		
													1x 0, 1x 5, 1x 46, 1x 49, 1x 70, 2x 91, 2x 116, 1x 124, 1x 152, 4x 177, 1x 999		
<b>Sample B</b>		62	4,4	7,1	294		CVP	62	0,63	24%	47,1	76,9	294	291	99
(1) Abbott		63,9	1,8	2,8	69	0							69		
(12) Beckman Coulter		69,1	4,7	6,8	8	0							8		
(58) Beckman Coulter (AU)		68,3	2	2,9	41	0							41		
(60) Roche		59,6	2,3	3,8	113	0							113		
(149) Siemens (Dade, BN, Dimension)		57,7	1,6	2,7	7	0							7		
(162) Siemens (Atellica)		58,6	1,4	2,3	28	0							28		
(178) DiaSys		59,7	4,4	7,3	5	0							5		
(179) Siemens		62,1	0,44	0,72	7	0							7		
Other					16	0							16		
													1x 0, 1x 5, 1x 46, 1x 49, 1x 70, 2x 91, 2x 116, 1x 124, 1x 152, 4x 177, 1x 999		