

## EQA round: CRP1/24 - C-Reactive Protein

Deadline: 9.2.2024

Setup: groups - R (manufacturer of kit); minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N<sub>tot</sub> = total number of the resultsN<sub>out</sub> = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

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

LL = lower limit

UL = upper limit

N<sub>eva</sub> = number of the results assessedN<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>(100) C-reactive protein</b>	[mg/L]				283							283	281	99		
<b>Sample A</b>		17,4	1,5	8,6	283		CVP	17,4	0,22	24%	13,2	21,6	283	282	100	
(1) Abbott		18,4	0,56	3	65	0							65			
(12) Beckman Coulter		17,9	0,55	3,1	9	0							9			
(58) Beckman Coulter (AU)		17,1	0,61	3,6	37	0							37			
(60) Roche		16,3	0,7	4,3	111	0							111			
(149) Siemens (Dade, BN, Dimension)		17,8	1,9	10	7	0							7			
(162) Siemens (Atellica)		20,1	0,76	3,8	22	0							22			
(177) Mindray		16,9	0,52	3,1	5	0							5			
(178) DiaSys		17,2	2,7	15	6	0							6			
(179) Siemens		20,3	0,37	1,8	7	0							7			
Other					14	0							14			
								1x 5, 1x 36, 3x 46, 1x 49, 1x 61, 1x 70, 2x 91, 2x 116, 1x 152, 1x 158								
<b>Sample B</b>		55,9	4,1	7,3	283		CVP	55,9	0,6	24%	42,4	69,4	283	282	100	
(1) Abbott		57,9	1,8	3,2	65	0							65			
(12) Beckman Coulter		61,6	2,1	3,5	9	0							9			
(58) Beckman Coulter (AU)		62,7	2,6	4,2	37	0							37			
(60) Roche		52,9	2	3,8	111	0							111			
(149) Siemens (Dade, BN, Dimension)		53	5,7	11	7	0							7			
(162) Siemens (Atellica)		55,2	1,7	3,1	22	0							22			
(177) Mindray		54,5	1,1	2	5	0							5			
(178) DiaSys		56,1	4,2	7,5	6	0							6			
(179) Siemens		55,6	0,89	1,6	7	0							7			
Other					14	0							14			
								1x 5, 1x 36, 3x 46, 1x 49, 1x 61, 1x 70, 2x 91, 2x 116, 1x 152, 1x 158								