

## EQA round: CRP3/24 - C-Reactive Protein

Deadline: 23.8.2024

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						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]				246								246	242	98	
<b>Sample A</b>		29,9	1,9	6,4	246		CVP	29,9	0,3	24%	22,7	37,1	246	244	99	
(1) Abbott		31,2	0,78	2,5	57	0							57			
(12) Beckman Coulter		29	0,3	1	5	0							5			
(58) Beckman Coulter (AU)		28,2	1,3	4,6	32	0							32			
(60) Roche		29	1	3,6	94	0							94			
(149) Siemens (Dade, BN, Dimension)		28,3	2,9	10	6	0							6			
(162) Siemens (Atellica)		32	0,86	2,7	25	0							25			
(177) Mindray		32,1	2,4	7,6	5	0							5			
(179) Siemens		31,9	0,34	1,1	6	0							6			
Other					16	1							16			
								1x 36, 2x 46, 1x 49, 1x 61, 2x 70, 2x 91, 2x 116, 1x 152, 1x 158, 3x 178								
<b>Sample B</b>		9,02	0,69	7,6	246		CVP	9,02	0,11	24%	6,85	11,2	246	244	99	
(1) Abbott		9,06	0,27	3	57	0							57			
(12) Beckman Coulter		9,38	0,38	4	5	0							5			
(58) Beckman Coulter (AU)		9,42	0,19	2	32	0							32			
(60) Roche		8,49	0,3	3,5	94	0							94			
(149) Siemens (Dade, BN, Dimension)		8,45	0,37	4,4	6	0							6			
(162) Siemens (Atellica)		10,3	0,3	2,9	25	0							25			
(177) Mindray		9,75	0,82	8,4	5	0							5			
(179) Siemens		10,2	0,34	3,4	6	0							6			
Other					16	0							16			
								1x 36, 2x 46, 1x 49, 1x 61, 2x 70, 2x 91, 2x 116, 1x 152, 1x 158, 3x 178								