

EQA round: CRP2/26 - C-Reactive Protein

Deadline: 1.5.2026

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

RoM = robust average

AV = assigned value

D_{max} = acceptable difference

SD = standard deviation

CVP = consensus of all participants

LL = lower limit

CV = coefficient of variation

U_{AV} = expanded uncertainty of the assigned value (k = 2)

UL = upper limit

N_{tot} = total number of the resultsN_{eva} = number of the results assessedN_{out} = number of the results removed before calculationN_{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				
(100) C-reactive protein	[mg/L]				174								174	169	97
Sample A		89	5,6	6,2	174		CVP	89	1	24%	67,6	111	174	169	97
(1) Abbott		92,5	2,7	2,9	48	0							48		
(58) Beckman Coulter (AU)		97,2	2,1	2,2	16	0							16		
(60) Roche		85,9	2,5	2,9	65	0							65		
(162) Siemens (Atellica)		85,2	2,4	2,8	21	0							21		
(177) Mindray		87,6	5,3	6	7	0							7		
(178) DiaSys		86,4	3,5	4	5	0							5		
Other					12	0							12		
															3x 12, 1x 46, 1x 70, 1x 73, 1x 75, 1x 124, 1x 140, 2x 166, 1x 200
Sample B		52,5	3,1	5,8	174		CVP	52,5	0,57	24%	39,9	65,1	174	169	97
(1) Abbott		53,9	1,2	2,2	48	0							48		
(58) Beckman Coulter (AU)		57,1	1,2	2,2	16	0							16		
(60) Roche		51,2	1,3	2,6	65	0							65		
(162) Siemens (Atellica)		49,8	1,1	2,2	21	0							21		
(177) Mindray		51,9	3,5	6,7	7	0							7		
(178) DiaSys		50,4	3,1	6,1	5	0							5		
Other					12	0							12		
															3x 12, 1x 46, 1x 70, 1x 73, 1x 75, 1x 124, 1x 140, 2x 166, 1x 200