

EQA round: CRP3/23 - C-Reactive Protein

Deadline: 25.8.2023

Setup: groups - measurement principle; minimal size of the groups n = 5

RoM = robust average

SD = standard deviation

CV = coefficient of variation

N_{tot} = total number of the resultsN_{out} = number of the results removed before calculation

AV = assigned value

CVP = consensus of all participants

U_{AV} = expanded uncertainty of the assigned value (k = 2)D_{max} = acceptable difference

LL = lower limit

UL = upper limit

N_{eva} = number of the results assessedN_{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]				251							251	249	99	
Sample A		17,3	1,4	8,2	251		CVP	17,3	0,22	24%	13,1	21,5	251	249	99
(2) Immunoturbidimetry		17,3	1,5	8,5	235	0							235		
(3) Immunonephelometry		16,8	0,73	4,3	15	0							15		
Other					1	0							1		
							1x	99							
Sample B		48,2	3,6	7,4	251		CVP	48,2	0,55	24%	36,6	59,8	251	250	100
(2) Immunoturbidimetry		48,1	3,4	7,2	235	0							235		
(3) Immunonephelometry		49	5,6	11	15	0							15		
Other					1	0							1		
							1x	99							