

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

Deadline: 21.3.2025

Setup: groups - M (measurement principle); 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]				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
(2) Immunoturbidimetry		10,2	0,71	7	280	0							280		
(3) Immunonephelometry		9,85	0,59	6	11	0							11		
Other					3	0							3		
							1x 0, 2x 99								
<b>Sample B</b>		62	4,4	7,1	294		CVP	62	0,63	24%	47,1	76,9	294	291	99
(2) Immunoturbidimetry		62	4,3	6,9	280	0							280		
(3) Immunonephelometry		61,4	5,9	9,7	11	0							11		
Other					3	0							3		
							1x 0, 2x 99								