

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of groups n = 5

EQA round: CRP4/17 - C-Reactive Protein

Dead line: 08.12.2017

RoM = robust average	AV = assigned value	Dmax = acceptable percent difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	RV = reference value	UL = upper limit
Ntot = total number of participants	CVE = consensus value from experts	Neva = number of evaluated participants
Nout = number of results excluded before calculation	CVP = consensus value from all participants	Nsuc = number of successful participants
	CVPG = consensus value from participants groups	Srel = success (relative)
	U _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
Set of samples 1														
(100) C-reactive protein					53							53	50	94%
Samples and groups		[mg/L]												
Sample A1		43,5	3,1	7,2	53	CVP	43,5	1,1	24%	33	54	53	52	98%
(1) Abbott		44,7	1,2	2,6	10	0						10		
(60) Roche		41,6	2,9	6,9	19	0						19		
(179) Siemens (Bayer)		46,1	0,44	0,96	6	0						6		
Other					18	0						18		
							1x 4, 3x 12, 4x 58, 1x 61, 1x 75, 1x 91, 3x 166, 3x 177, 1x 200							
Sample B1		27,4	2,2	8,1	53	CVP	27,4	0,75	24%	20,8	34	53	50	94%
(1) Abbott		28,5	1,0	3,6	10	0						10		
(60) Roche		25,9	1,6	6,1	19	1						19		
(179) Siemens (Bayer)		30,6	0,37	1,2	6	0						6		
Other					18	0						18		
							1x 4, 3x 12, 4x 58, 1x 61, 1x 75, 1x 91, 3x 166, 3x 177, 1x 200							
Set of samples 2														
(100) C-reactive protein					54							54	52	96%
Samples and groups		[mg/L]												
Sample A2		45,2	3,8	8,4	54	CVP	45,2	1,3	24%	34,3	56,1	54	53	98%
(58) Beckman Coulter (Olympus)		47,8	2,3	4,8	20	0						20		
(60) Roche		41,4	1,6	3,8	17	0						17		
(179) Siemens (Bayer)		45,5	0,74	1,6	5	0						5		
Other					12	0						12		
							4x 1, 2x 12, 4x 149, 2x 166							
Sample B2		49,5	5,3	11	54	CVP	49,5	1,8	24%	37,6	61,4	54	52	96%
(58) Beckman Coulter (Olympus)		53,3	2,4	4,4	20	0						20		
(60) Roche		44,3	2,6	5,8	17	0						17		
(179) Siemens (Bayer)		49,5	0,74	1,5	5	0						5		
Other					12	0						12		
							4x 1, 2x 12, 4x 149, 2x 166							

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End of report

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