Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of the groups n = 5

EQA round: RFA1/21 - Risk Factors for Atherosclerosis

Deadline: 09.04.2021

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 the 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]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(111) Cholesterol	[mmol/L]				303								303	283	93%
Samples and groups															
Sample A		3,74	0,12	3,3	303		CVP	3,74	0,017	8%	3,44	4,04	303	293	97%
(1) Enzyme method CHOD-PAP		3,74	0,12	3,3	303	0							303		
Sample B		7,92	0,29	3,6	303		CVP	7,92	0,041	8%	7,28	8,56	303	285	94%
(1) Enzyme method CHOD-PAP		7,92	0,29	3,6	303	0							303		
(112) Triacylglycerols	[mmol/L]				303								303	300	99%
Samples and groups															
Sample A		1,18	0,046	3,9	303		CVP	1,18	,0064	15%	1	1,36	303	300	99%
(1) Photometric enzyme (GPO-PAP)		1,18	0,045	3,8	289	0							289		
(2) Enzymatic UV method		1,14	0,029	2,5	14	0							14		
Sample B		2,42	0,065	2,7	303		CVP	2,42	,0091	15%	2,05	2,79	303	301	99%
(1) Photometric enzyme (GPO-PAP)		2,42	0,064	2,6	289	0							289		
(2) Enzymatic UV method		2,37	0,072	3,0	14	0							14		
(113) Cholesterol HDL	[mmol/L]				305								305	298	98%
Samples and groups															
Sample A		0,998	0,044	4,4	305		CVP	0,998	,0061	15%	0,848	1,15	305	298	98%
(2) Direct determination		0,998	0,044	4,4	302	0							302		
Other					3	0							3		
						3x 1									
Sample B		2,17	0,093	4,3	305		CVP	2,17	0,013	15%	1,84	2,5	305	301	99%
(2) Direct determination		2,17	0,093	4,3	302	0							302		
Other					3	0							3		
						3x 1									
(114) Apolipoprotein AI	[g/L]				90								90	90	100%
Samples and groups															
Sample A		1,15	0,063	5,5	90		CVP	1,15	0,016	21%	0,908	1,4	90	90	100%
(2) Immunoturbidimetry		1,15	0,065	5,6	82	0							82		
(3) Immunonephelometry		1,18	0,067	5,7	8	0							8		
Sample B		2,38	0,18	7,4	90		CVP	2,38	0,046	21%	1,88	2,88	90	90	100%
(2) Immunoturbidimetry		2,38	0,17	7,3	82	0							82		
(3) Immunonephelometry		2,28	0,18	7,8	8	0							8		
(115) Apolipoprotein B	[g/L]				105								105	103	98%
Samples and groups															
Sample A		0,718	0,034	4,7	105		CVP	0,718	,0081	18%	0,588	0,848	105	104	99%
(2) Immunoturbidimetry		0,719	0,033	4,6	98	0							98		
(3) Immunonephelometry		0,712	0,042	5,9	7	0							7		
Sample B		1,49	0,087	5,9	105		CVP	1,49	0,021	18%	1,22	1,76	105	104	99%
(2) Immunoturbidimetry		1,49	0,085	5,7	98	0							98		
(3) Immunonephelometry		1,51	0,14	9,4	7	0							7		
(116) Cholesterol LDL (calculation)	[mmol/L]				130								130	125	96%
Samples and groups															
Sample A		2,23	0,13	5,7	130		CVP	2,23	0,027	15%	1,89	2,57	130	127	98%
(0) Not specified		2,23	0,13	5,7	130	1							130		
Sample B		4,71	0,25	5,3	130		CVP	4,71	0,054	15%	4	5,42	130	128	98%
(0) Not specified		4,71	0,25	5,3	130	0							130		
(118) Cholesterol LDL (direct determ.)	[mmol/L]				226								226	217	96%
Samples and groups															
Sample A		2,32	0,17	7,1	226		CVP	2,32	0,027	15%	1,97	2,67	226	220	97%
(0) Not specified		2,32	0,17	7,1	226	0							226		
Sample B		4,92	0,40	8,2	226		CVP	4,92	0,066	15%	4,18	5,66	226	219	97%
(0) Not specified		4,92	0,40	8,2	226	0							226		
(117) Lipoprotein (a) [g/L]	[g/L]				33								33	33	100%
Samples and groups															
Sample A		0,179	0,018	10	33		CVP	0,179	,0076	32%	0,121	0,237	33	33	100%
(2) Immunoturbidimetry		0,181	0,015	8,3	29	0							29		
Other					4	0							4		
						1x 0, 3x 3									
Sample B		0,390	0,023	6,0	33		CVP	0,39	,0100	32%	0,265	0,515	33	33	100%
(2) Immunoturbidimetry		0,392	0,021	5,3	29	0							29		
Other					4	0							4		
						1x 0, 3x 3									

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(119) Lipoprotein (a) [nmol/L]	[nmol/L]				29								29	27	93%
Samples and groups															
Sample A		31,8	3,0	9,5	29		CVP	31,8	1,4	20%	25,4	38,2	29	27	93%
(2) Immunoturbidimetry		31,8	2,8	8,9	27	0							27		
Other					2	0							2		
							1x 0, 1x 3								
Sample B		78,5	4,4	5,6	29		CVP	78,5	2,0	20%	62,8	94,2	29	28	97%
(2) Immunoturbidimetry		78,0	4,0	5,1	27	0							27		
Other					2	0							2		
							1x 0, 1x 3								