

Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of groups n = 5

EQA round: RFA2/19 - Risk Factors for Atherosclerosis

Dead line: 30.08.2019

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							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(111) Cholesterol					292							292	284	97%
Samples and groups	[mmol/L]													
Sample A		3,28	0,12	3,6	292	CVP	3,28	0,017	8%	3,01	3,55	292	288	99%
(1) Enzyme method CHOD-PAP		3,28	0,12	3,6	292	0						292		
Sample B		7,50	0,27	3,7	292	CVP	7,5	0,039	8%	6,9	8,1	292	285	98%
(1) Enzyme method CHOD-PAP		7,50	0,27	3,7	292	0						292		
(112) Triglycerides					292							292	286	98%
Samples and groups	[mmol/L]													
Sample A		1,02	0,046	4,5	292	CVP	1,02	,0066	15%	0,867	1,18	292	288	99%
(1) Photometric enzyme (GPO-PAP)		1,02	0,046	4,5	276	0						276		
(2) Enzymatic UV method		1,01	0,052	5,1	16	0						16		
Sample B		2,30	0,069	3,0	292	CVP	2,3	,0099	15%	1,95	2,65	292	290	99%
(1) Photometric enzyme (GPO-PAP)		2,30	0,07	3,1	276	0						276		
(2) Enzymatic UV method		2,30	0,052	2,2	16	0						16		
(113) Cholesterol HDL					294							294	289	98%
Samples and groups	[mmol/L]													
Sample A		0,907	0,038	4,2	294	CVP	0,907	,0054	15%	0,77	1,05	294	292	99%
(2) Direct determination		0,907	0,038	4,2	290	0						290		
Other					4	0						4		
Sample B		2,05	0,099	4,8	294	CVP	2,05	0,014	15%	1,74	2,36	294	290	99%
(2) Direct determination		2,05	0,10	4,9	290	0						290		
Other					4	0						4		
						4x 1								
(114) Apolipoprotein AI					83							83	81	98%
Samples and groups	[g/L]													
Sample A		1,01	0,08	7,9	83	CVP	1,01	0,022	21%	0,797	1,23	83	82	99%
(2) Immunoturbidimetry		1,01	0,08	7,9	74	0						74		
(3) Immunonephelometry		1,03	0,11	11	9	0						9		
Sample B		2,25	0,17	7,7	83	CVP	2,25	0,046	21%	1,77	2,73	83	82	99%
(2) Immunoturbidimetry		2,26	0,17	7,6	74	0						74		
(3) Immunonephelometry		2,14	0,16	7,3	9	0						9		
(115) Apolipoprotein B					99							99	96	97%
Samples and groups	[g/L]													
Sample A		0,641	0,035	5,5	99	CVP	0,641	,0086	18%	0,525	0,757	99	96	97%
(2) Immunoturbidimetry		0,643	0,035	5,4	90	0						90		
(3) Immunonephelometry		0,625	0,007	1,2	9	0						9		
Sample B		1,40	0,094	6,7	99	CVP	1,4	0,023	18%	1,14	1,66	99	99	100%
(2) Immunoturbidimetry		1,40	0,093	6,7	90	0						90		
(3) Immunonephelometry		1,40	0,074	5,3	9	0						9		
(116) Cholesterol LDL (calculation)					131							131	125	95%
Samples and groups	[mmol/L]													
Sample A		1,91	0,13	6,7	131	CVP	1,91	0,028	15%	1,62	2,2	131	128	98%
(0) Not specified		1,91	0,13	6,7	131	0						131		
Sample B		4,40	0,26	5,9	131	CVP	4,4	0,056	15%	3,74	5,06	131	126	96%
(0) Not specified		4,40	0,26	5,9	131	1						131		
(118) Cholesterol LDL (direct determ.)					207							207	205	99%
Samples and groups	[mmol/L]													
Sample A		2,00	0,12	5,7	207	CVP	2	0,020	15%	1,7	2,3	207	207	100%
(0) Not specified		2,00	0,12	5,7	207	0						207		
Sample B		4,56	0,33	7,3	207	CVP	4,56	0,057	15%	3,87	5,25	207	205	99%
(0) Not specified		4,56	0,33	7,3	207	0						207		
(117) Lipoprotein (a) [g/L]					28							28	26	93%
Samples and groups	[g/L]													
Sample A		0,177	0,018	10	28	CVP	0,177	,0085	32%	0,12	0,234	28	27	96%
(2) Immunoturbidimetry		0,176	0,015	8,3	23	1						23		
Other					5	0						5		
Sample B		0,359	0,032	9,0	28	CVP	0,359	0,015	32%	0,244	0,474	28	26	93%
(2) Immunoturbidimetry		0,359	0,027	7,4	23	1						23		
Other					5	0						5		
						1x 0, 4x 3								

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Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(119) Lipoprotein (a) [nmol/L]					25							25	22	88%	
Samples and groups	[nmol/L]														
Sample A		32,1	2,7	8,4	25		CVP	32,1	1,3	20%	25,6	38,6	25	23	92%
(2) Immunoturbidimetry		32,3	2,7	8,3	24	0							24		
Other					1	0							1		
							1x3								
Sample B		75,9	4,1	5,4	25		CVP	75,9	2,0	20%	60,7	91,1	25	23	92%
(2) Immunoturbidimetry		75,8	4,3	5,6	24	0							24		
Other					1	0							1		
							1x3								

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End of report

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