

## Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of groups n = 5

## EQA round: RFA1/19 - Risk Factors for Atherosclerosis

Dead line: 22.03.2019

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 <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]						Comparability							
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
<b>(111) Cholesterol</b>					291							291	280	96%
Samples and groups	[mmol/L]													
<b>Sample A</b>		4,81	0,17	3,6	291	CVP	4,81	0,025	8%	4,42	5,2	291	280	96%
(1) Enzyme method CHOD-PAP		4,81	0,17	3,6	291	0						291		
<b>Sample B</b>		3,28	0,13	3,9	291	CVP	3,28	0,018	8%	3,01	3,55	291	287	99%
(1) Enzyme method CHOD-PAP		3,28	0,13	3,9	291	1						291		
<b>(112) Triglycerides</b>					291							291	284	98%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,54	0,056	3,7	291	CVP	1,54	,0081	15%	1,3	1,78	291	286	98%
(1) Photometric enzyme (GPO-PAP)		1,54	0,056	3,7	277	0						277		
(2) Enzymatic UV method		1,54	0,054	3,5	14	0						14		
<b>Sample B</b>		1,06	0,043	4,0	291	CVP	1,06	,0061	15%	0,901	1,22	291	285	98%
(1) Photometric enzyme (GPO-PAP)		1,06	0,043	4,0	277	1						277		
(2) Enzymatic UV method		1,07	0,05	4,7	14	0						14		
<b>(113) Cholesterol HDL</b>					293							293	290	99%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,30	0,056	4,3	293	CVP	1,3	,0080	15%	1,1	1,5	293	291	99%
(2) Direct determination		1,30	0,055	4,2	289	0						289		
Other					4	0						4		
<b>Sample B</b>		0,886	0,039	4,3	293	CVP	0,886	,0055	15%	0,753	1,02	293	290	99%
(2) Direct determination		0,887	0,038	4,3	289	1						289		
Other					4	0						4		
<b>(114) Apolipoprotein AI</b>					82							82	81	99%
Samples and groups	[g/L]													
<b>Sample A</b>		1,46	0,10	7,0	82	CVP	1,46	0,028	21%	1,15	1,77	82	81	99%
(2) Immunoturbidimetry		1,46	0,10	6,9	73	0						73		
(3) Immunonephelometry		1,45	0,074	5,1	9	0						9		
<b>Sample B</b>		1,01	0,071	7,0	82	CVP	1,01	0,019	21%	0,797	1,23	82	81	99%
(2) Immunoturbidimetry		1,01	0,07	7,0	73	0						73		
(3) Immunonephelometry		1,03	0,045	4,4	9	0						9		
<b>(115) Apolipoprotein B</b>					98							98	94	96%
Samples and groups	[g/L]													
<b>Sample A</b>		0,923	0,059	6,3	98	CVP	0,923	0,015	18%	0,756	1,09	98	96	98%
(2) Immunoturbidimetry		0,924	0,056	6,0	89	0						89		
(3) Immunonephelometry		0,915	0,082	8,9	9	0						9		
<b>Sample B</b>		0,644	0,041	6,3	98	CVP	0,644	,0100	18%	0,528	0,76	98	95	97%
(2) Immunoturbidimetry		0,646	0,036	5,6	89	0						89		
(3) Immunonephelometry		0,620	0,059	9,6	9	0						9		
<b>(116) Cholesterol LDL (calculation)</b>					135							135	130	96%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,81	0,18	6,4	135	CVP	2,81	0,038	15%	2,38	3,24	135	131	97%
(0) Not specified		2,81	0,18	6,4	135	0						135		
<b>Sample B</b>		1,91	0,14	7,1	135	CVP	1,91	0,029	15%	1,62	2,2	135	130	96%
(0) Not specified		1,91	0,14	7,1	135	0						135		
<b>(118) Cholesterol LDL (direct determ.)</b>					204							204	201	99%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,94	0,15	5,2	204	CVP	2,94	0,026	15%	2,49	3,39	204	202	99%
(0) Not specified		2,94	0,15	5,2	204	0						204		
<b>Sample B</b>		1,99	0,098	4,9	204	CVP	1,99	0,017	15%	1,69	2,29	204	202	99%
(0) Not specified		1,99	0,098	4,9	204	0						204		
<b>(117) Lipoprotein (a) [g/L]</b>					27							27	26	96%
Samples and groups	[g/L]													
<b>Sample A</b>		0,240	0,016	6,5	27	CVP	0,24	,0073	32%	0,163	0,317	27	26	96%
(2) Immunoturbidimetry		0,241	0,013	5,4	22	0						22		
Other					5	0						5		
<b>Sample B</b>		0,167	0,013	8,0	27	CVP	0,167	,0063	32%	0,113	0,221	27	26	96%
(2) Immunoturbidimetry		0,170	0,013	7,4	22	0						22		
Other					5	0						5		

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Test	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability							
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
<b>(119) Lipoprotein (a) [nmol/L]</b>					23							23	21	91%
Samples and groups	[nmol/L]													
<b>Sample A</b>		46,8	3,0	6,4	23	CVP	46,8	1,5	20%	37,4	56,2	23	22	96%
(2) Immunoturbidimetry		46,8	3,0	6,4	23	0						23		
<b>Sample B</b>		30,1	2,1	7,1	23	CVP	30,1	1,1	20%	24	36,2	23	22	96%
(2) Immunoturbidimetry		30,1	2,1	7,1	23	0						23		

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End of report

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