

## Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of groups n = 5

## EQA round: RFA1/18 - Risk Factors for Atherosclerosis

Dead line: 23.03.2018

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>					283						283	278	98%	
Samples and groups	[mmol/L]													
<b>Sample A</b>		7,45	0,24	3,3	283	CVP	7,45	0,036	8%	6,85	8,05	283	279	99%
(1) Enzyme method CHOD-PAP		7,45	0,24	3,3	283	0						283		
<b>Sample B</b>		3,33	0,11	3,3	283	CVP	3,33	0,016	8%	3,06	3,6	283	282	100%
(1) Enzyme method CHOD-PAP		3,33	0,11	3,3	283	0						283		
<b>(112) Triglycerides</b>					283						283	275	97%	
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,45	0,084	3,4	283	CVP	2,45	0,012	15%	2,08	2,82	283	280	99%
(1) Photometric enzyme (GPO-PAP)		2,45	0,084	3,4	268	0						268		
(2) Enzymatic UV method		2,46	0,097	4,0	15	0						15		
<b>Sample B</b>		1,12	0,048	4,3	283	CVP	1,12	0,070	15%	0,952	1,29	283	277	98%
(1) Photometric enzyme (GPO-PAP)		1,12	0,047	4,2	268	0						268		
(2) Enzymatic UV method		1,13	0,072	6,3	15	0						15		
<b>(113) Cholesterol HDL</b>					286						286	278	97%	
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,95	0,09	4,6	286	CVP	1,95	0,013	15%	1,65	2,25	286	284	99%
(2) Direct determination		1,95	0,089	4,5	282	0						282		
Other					4	0						4		
<b>Sample B</b>		0,861	0,045	5,2	286	CVP	0,861	0,064	15%	0,731	0,991	286	280	98%
(2) Direct determination		0,861	0,044	5,1	282	0						282		
Other					4	0						4		
<b>(114) Apolipoprotein AI</b>					83						83	82	99%	
Samples and groups	[g/L]													
<b>Sample A</b>		2,27	0,18	7,9	83	CVP	2,27	0,048	21%	1,79	2,75	83	83	100%
(2) Immunoturbidimetry		2,27	0,19	8,4	75	0						75		
(3) Immunonephelometry		2,22	0,14	6,4	8	0						8		
<b>Sample B</b>		1,04	0,07	6,7	83	CVP	1,04	0,019	21%	0,821	1,26	83	82	99%
(2) Immunoturbidimetry		1,04	0,075	7,2	75	0						75		
(3) Immunonephelometry		1,06	0,059	5,6	8	0						8		
<b>(115) Apolipoprotein B</b>					98						98	94	96%	
Samples and groups	[g/L]													
<b>Sample A</b>		1,45	0,092	6,3	98	CVP	1,45	0,023	18%	1,18	1,72	98	95	97%
(2) Immunoturbidimetry		1,46	0,093	6,4	90	0						90		
(3) Immunonephelometry		1,43	0,11	7,8	8	0						8		
<b>Sample B</b>		0,668	0,039	5,9	98	CVP	0,668	0,097	18%	0,547	0,789	98	95	97%
(2) Immunoturbidimetry		0,670	0,039	5,7	90	0						90		
(3) Immunonephelometry		0,650	0,045	6,8	8	0						8		
<b>(116) Cholesterol LDL (calculation)</b>					149						149	141	95%	
Samples and groups	[mmol/L]													
<b>Sample A</b>		4,40	0,27	6,1	149	CVP	4,4	0,054	15%	3,74	5,06	149	145	97%
(0) Not specified		4,40	0,27	6,1	149	0						149		
<b>Sample B</b>		1,97	0,13	6,6	149	CVP	1,97	0,026	15%	1,67	2,27	149	144	97%
(0) Not specified		1,97	0,13	6,6	149	0						149		
<b>(118) Cholesterol LDL (direct determ.)</b>					194						194	192	99%	
Samples and groups	[mmol/L]													
<b>Sample A</b>		4,49	0,27	6,0	194	CVP	4,49	0,047	15%	3,81	5,17	194	194	100%
(0) Not specified		4,49	0,27	6,0	194	0						194		
<b>Sample B</b>		2,01	0,11	5,4	194	CVP	2,01	0,019	15%	1,7	2,32	194	192	99%
(0) Not specified		2,01	0,11	5,4	194	0						194		
<b>(117) Lipoprotein (a) [g/L]</b>					26						26	25	96%	
Samples and groups	[g/L]													
<b>Sample A</b>		0,379	0,023	6,1	26	CVP	0,379	0,011	32%	0,257	0,501	26	26	100%
(2) Immunoturbidimetry		0,380	0,023	6,1	22	0						22		
Other					4	0						4		
<b>Sample B</b>		0,173	0,012	7,2	26	CVP	0,173	0,059	32%	0,117	0,229	26	25	96%
(2) Immunoturbidimetry		0,173	0,013	7,4	22	0						22		
Other					4	0						4		

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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>					20							20	19	95%
Samples and groups	[nmol/L]													
<b>Sample A</b>		77,1	4,8	6,2	20	CVP	77,1	2,6	20%	61,6	92,6	20	19	95%
(2) Immunoturbidimetry		77,1	4,8	6,2	20	0						20		
<b>Sample B</b>		30,2	2,4	7,9	20	CVP	30,2	1,3	20%	24,1	36,3	20	20	100%
(2) Immunoturbidimetry		30,2	2,4	7,9	20	0						20		

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End of report

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