

## Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of groups n = 5

## EQA round: RFA2/18 - Risk Factors for Atherosclerosis

Dead line: 31.08.2018

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>					285							285	272	95%
Samples and groups	[mmol/L]													
<b>Sample A</b>		3,32	0,12	3,7	285	CVP	3,32	0,018	8%	3,05	3,59	285	278	98%
(1) Enzyme method CHOD-PAP		3,32	0,12	3,7	285	0						285		
<b>Sample B</b>		4,89	0,18	3,6	285	CVP	4,89	0,025	8%	4,49	5,29	285	276	97%
(1) Enzyme method CHOD-PAP		4,89	0,18	3,6	285	0						285		
<b>(112) Triglycerides</b>					285							285	277	97%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,05	0,046	4,4	285	CVP	1,05	,0067	15%	0,892	1,21	285	280	98%
(1) Photometric enzyme (GPO-PAP)		1,05	0,046	4,4	271	0						271		
(2) Enzymatic UV method		1,05	0,046	4,4	14	0						14		
<b>Sample B</b>		1,53	0,056	3,7	285	CVP	1,53	,0081	15%	1,3	1,76	285	278	98%
(1) Photometric enzyme (GPO-PAP)		1,53	0,057	3,7	271	0						271		
(2) Enzymatic UV method		1,52	0,042	2,7	14	0						14		
<b>(113) Cholesterol HDL</b>					287							287	280	98%
Samples and groups	[mmol/L]													
<b>Sample A</b>		0,881	0,046	5,2	287	CVP	0,881	,0066	15%	0,748	1,02	287	281	98%
(2) Direct determination		0,882	0,045	5,1	283	0						283		
Other					4	0						4		
<b>Sample B</b>		1,30	0,062	4,8	287	CVP	1,3	,0090	15%	1,1	1,5	287	280	98%
(2) Direct determination		1,30	0,062	4,7	283	0						283		
Other					4	0						4		
						4x 1								
<b>(114) Apolipoprotein AI</b>					84							84	82	98%
Samples and groups	[g/L]													
<b>Sample A</b>		1,05	0,075	7,1	84	CVP	1,05	0,020	21%	0,829	1,28	84	82	98%
(2) Immunoturbidimetry		1,05	0,074	7,0	75	0						75		
(3) Immunonephelometry		1,06	0,037	3,5	9	0						9		
<b>Sample B</b>		1,50	0,11	7,0	84	CVP	1,5	0,028	21%	1,18	1,82	84	84	100%
(2) Immunoturbidimetry		1,51	0,11	7,0	75	0						75		
(3) Immunonephelometry		1,49	0,037	2,5	9	0						9		
<b>(115) Apolipoprotein B</b>					99							99	95	96%
Samples and groups	[g/L]													
<b>Sample A</b>		0,668	0,038	5,6	99	CVP	0,668	,0093	18%	0,547	0,789	99	96	97%
(2) Immunoturbidimetry		0,669	0,037	5,6	90	0						90		
(3) Immunonephelometry		0,670	0,03	4,5	9	0						9		
<b>Sample B</b>		0,959	0,049	5,1	99	CVP	0,959	0,012	18%	0,786	1,14	99	96	97%
(2) Immunoturbidimetry		0,958	0,048	5,0	90	0						90		
(3) Immunonephelometry		0,953	0,04	4,2	9	0						9		
<b>(116) Cholesterol LDL (calculation)</b>					139							139	131	94%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,97	0,14	7,1	139	CVP	1,97	0,029	15%	1,67	2,27	139	133	96%
(0) Not specified		1,97	0,14	7,1	139	1						139		
<b>Sample B</b>		2,90	0,19	6,6	139	CVP	2,9	0,040	15%	2,46	3,34	139	134	96%
(0) Not specified		2,90	0,19	6,6	139	1						139		
<b>(118) Cholesterol LDL (direct determ.)</b>					198							198	194	98%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,02	0,10	4,9	198	CVP	2,02	0,017	15%	1,71	2,33	198	195	98%
(0) Not specified		2,02	0,10	4,9	198	0						198		
<b>Sample B</b>		2,97	0,16	5,4	198	CVP	2,97	0,028	15%	2,52	3,42	198	194	98%
(0) Not specified		2,97	0,16	5,4	198	0						198		
<b>(117) Lipoprotein (a) [g/L]</b>					25							25	25	100%
Samples and groups	[g/L]													
<b>Sample A</b>		0,185	0,014	7,8	25	CVP	0,185	,0070	32%	0,125	0,245	25	25	100%
(2) Immunoturbidimetry		0,186	0,015	7,9	21	0						21		
Other					4	0						4		
<b>Sample B</b>		0,266	0,019	7,2	25	CVP	0,266	,0094	32%	0,18	0,352	25	25	100%
(2) Immunoturbidimetry		0,264	0,017	6,5	21	0						21		
Other					4	0						4		
						1x 0, 3x 3								
						1x 0, 3x 3								

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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>		33,7	2,7	8,0	23		CVP	33,7	1,4	20%	26,9	40,5	23	21	91%
(2) Immunoturbidimetry		33,7	2,7	8,0	23	0							23		
<b>Sample B</b>		51,7	3,7	7,2	23		CVP	51,7	1,9	20%	41,3	62,1	23	21	91%
(2) Immunoturbidimetry		51,7	3,7	7,2	23	0							23		

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End of report

Printed: 13.09.2018