

## Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of groups n = 5

## EQA round: RFA2/17 - Risk Factors for Atherosclerosis

Dead line: 15.09.2017

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	269	95%
Samples and groups	[mmol/L]													
<b>Sample A</b>		4,93	0,15	3,0	283	CVP	4,93	0,021	8%	4,53	5,33	283	275	97%
(1) Enzyme		4,93	0,15	3,0	283	0						283		
<b>Sample B</b>		7,56	0,25	3,3	283	CVP	7,56	0,036	8%	6,95	8,17	283	274	97%
(1) Enzyme		7,56	0,25	3,3	283	0						283		
<b>(112) Triglycerides</b>					283							283	276	98%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,55	0,06	3,9	283	CVP	1,55	,0087	15%	1,31	1,79	283	278	98%
(1) Photometry enzyme m.		1,55	0,059	3,8	269	0						269		
(2) Enzymatic UV method		1,51	0,079	5,2	14	0						14		
<b>Sample B</b>		2,40	0,089	3,7	283	CVP	2,4	0,013	15%	2,04	2,76	283	280	99%
(1) Photometry enzyme m.		2,40	0,089	3,7	269	0						269		
(2) Enzymatic UV method		2,36	0,11	4,5	14	0						14		
<b>(113) Cholesterol HDL</b>					284							284	273	96%
Samples and groups	[mmol/L]													
<b>Sample A</b>		1,33	0,063	4,8	284	CVP	1,33	,0092	15%	1,13	1,53	284	280	99%
(2) Direct determination		1,33	0,063	4,8	281	0						281		
Other					3	0						3		
<b>Sample B</b>		2,04	0,10	5,0	284	CVP	2,04	0,015	15%	1,73	2,35	284	277	98%
(2) Direct determination		2,04	0,10	5,0	281	0						281		
Other					3	0						3		
<b>(114) Apolipoprotein AI</b>					92							92	87	95%
Samples and groups	[g/L]													
<b>Sample A</b>		1,50	0,10	7,0	92	CVP	1,5	0,027	21%	1,18	1,82	92	89	97%
(2) Immunoturbidimetry		1,50	0,11	7,2	82	0						82		
(3) Immunonephelometry		1,52	0,089	5,9	10	0						10		
<b>Sample B</b>		2,30	0,15	6,3	92	CVP	2,3	0,037	21%	1,81	2,79	92	89	97%
(2) Immunoturbidimetry		2,31	0,15	6,4	82	0						82		
(3) Immunonephelometry		2,24	0,13	5,7	10	0						10		
<b>(115) Apolipoprotein B</b>					108							108	103	95%
Samples and groups	[g/L]													
<b>Sample A</b>		0,979	0,055	5,6	108	CVP	0,979	0,013	18%	0,802	1,16	108	104	96%
(2) Immunoturbidimetry		0,984	0,049	4,9	98	0						98		
(3) Immunonephelometry		0,915	0,094	10	10	0						10		
<b>Sample B</b>		1,46	0,096	6,6	108	CVP	1,46	0,023	18%	1,19	1,73	108	107	99%
(2) Immunoturbidimetry		1,47	0,089	6,1	98	0						98		
(3) Immunonephelometry		1,43	0,13	9,1	10	0						10		
<b>(116) Cholesterol LDL (calculation)</b>					143							143	136	95%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,91	0,19	6,5	143	CVP	2,91	0,039	15%	2,47	3,35	143	139	97%
(1) Calculation		2,91	0,19	6,5	143	0						143		
<b>Sample B</b>		4,46	0,30	6,6	143	CVP	4,46	0,061	15%	3,79	5,13	143	139	97%
(1) Calculation		4,46	0,30	6,6	143	0						143		
<b>(118) Cholesterol LDL (direct determ.)</b>					192							192	186	97%
Samples and groups	[mmol/L]													
<b>Sample A</b>		2,99	0,17	5,7	192	CVP	2,99	0,030	15%	2,54	3,44	192	190	99%
(1) Direct determination		2,99	0,17	5,7	192	0						192		
<b>Sample B</b>		4,53	0,29	6,4	192	CVP	4,53	0,051	15%	3,85	5,21	192	187	97%
(1) Direct determination		4,53	0,29	6,4	192	0						192		
<b>(117) Lipoprotein (a) [g/L]</b>					27							27	27	100%
Samples and groups	[g/L]													
<b>Sample A</b>		0,260	0,019	7,1	27	CVP	0,26	,0087	32%	0,176	0,344	27	27	100%
(2) Immunoturbidimetry		0,259	0,017	6,7	22	0						22		
Other					5	0						5		
<b>Sample B</b>		0,364	0,025	6,8	27	CVP	0,364	0,012	32%	0,247	0,481	27	27	100%
(2) Immunoturbidimetry		0,363	0,021	5,6	22	0						22		
Other					5	0						5		

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Dead line: 15.09.2017

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>					24							24	23	96%	
Samples and groups	[nmol/L]														
<b>Sample A</b>		51,7	5,3	10	24		CVP	51,7	2,6	20%	41,3	62,1	24	24	100%
(2) Immunoturbidimetry		51,7	5,4	11	23	0							23		
Other					1	0							1		
-----							1x0								
<b>Sample B</b>		76,9	8,4	11	24		CVP	76,9	4,2	20%	61,5	92,3	24	23	96%
(2) Immunoturbidimetry		76,8	8,6	11	23	0							23		
Other					1	0							1		
-----							1x0								
st_kn_p							End of report								Printed: 24.09.2017