Summary statistics - quantitative results

EQA round: RFA2/23 - Risk Factors for Atherosclerosis

Deadline: 13.10.2023

Setup: groups - measurement principle; minimal size of the groups n = 5

RoM = robust average
SD = standard deviation
CV = coefficient of variation
N_{tot} = total number of the results
N_{out} = number of the results removed before calculation
AV = assigned value
CVP = consensus of all participants
U_{AV} = expanded uncertainty of the assigned value (k = 2)
D_{max} = acceptable difference
LL = lower limit
UL = upper limit
N_{eva} = number of the results assessed
N_{suc} = number of successful results
S_{rel} = relative success

Test / Sample / Group	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
(114) **Apolipoprotein AI**	[g/L]				88								88	85	97
Sample A		2,31	0,14	6,2	88		CVP	2,31	0,037	21%	1,82	2,8	88	85	97
(2) Immunoturbidimetry		2,3	0,15	6,3	82	0							82		
(3) Immunonephelometry		2,36	0,1	4,4	6	0							6		
Sample B		1,07	0,072	6,8	88		CVP	1,07	0,019	21%	0,845	1,3	88	88	100
(2) Immunoturbidimetry		1,06	0,069	6,5	82	0							82		
(3) Immunonephelometry		1,13	0,052	4,6	6	0							6		
(115) **Apolipoprotein B**	[g/L]				107								107	103	96
Sample A		1,26	0,062	4,9	107		CVP	1,26	0,015	18%	1,03	1,49	107	105	98
(2) Immunoturbidimetry		1,26	0,063	4,9	102	0							102		
(3) Immunonephelometry		1,26	0,022	1,8	5	0							5		
Sample B		0,555	0,036	6,5	107		CVP	0,555	0,009	18%	0,455	0,655	107	104	97
(2) Immunoturbidimetry		0,555	0,037	6,6	102	0							102		
(3) Immunonephelometry		0,55	0,015	2,7	5	0							5		
(111) **Cholesterol**	[mmol/L]				310								310	302	97
Sample A													310	305	98
(0) Not specified		6,98	0,21	2,9	310	0	CVP	6,98	0,029	8%	6,42	7,54	310		
Sample B													310	305	98
(0) Not specified		3,05	0,092	3	310	0	CVP	3,05	0,013	8%	2,8	3,3	310		
(113) **Cholesterol HDL**	[mmol/L]				313								313	311	99
Sample A		2,07	0,098	4,7	313		CVP	2,07	0,014	15%	1,75	2,39	313	313	100
(2) Direct determination		2,07	0,098	4,8	311	0							311		
Other					2	0							2		
							2x 1								
Sample B		0,988	0,044	4,4	313		CVP	0,988	0,006	15%	0,839	1,14	313	311	99
(2) Direct determination		0,988	0,044	4,4	311	0							311		
Other					2	0							2		
							2x 1								
(118) **Cholesterol LDL (direct determination)**	[mmol/L]				248								248	248	100
Sample A													248	248	100
(0) Not specified		4,18	0,4	9,6	248	0	CVP	4,18	0,063	20%	3,34	5,02	248		
Sample B													248	248	100
(0) Not specified		1,79	0,14	7,8	248	0	CVP	1,79	0,022	20%	1,43	2,15	248		
(116) **Cholesterol LDL (calculation)**	[mmol/L]				116								116	113	97
Sample A													116	114	98
(0) Not specified		4	0,23	5,7	116	0	CVP	4	0,052	15%	3,4	4,6	116		
Sample B													116	114	98
(0) Not specified		1,66	0,12	7,1	116	0	CVP	1,66	0,027	15%	1,41	1,91	116		
(117) **Lipoprotein (a) [g/L]**	[g/L]				35								35	32	91
Sample A		0,277	0,021	7,5	35		CVP	0,277	0,009	25%	0,207	0,347	35	34	97
(2) Immunoturbidimetry		0,276	0,02	7,2	34	0							34		
Other					1	0							1		
							1x 3								
Sample B		0,082	0,016	19	35		CVP	0,082	0,007	25%	0,061	0,103	35	32	91
(2) Immunoturbidimetry		0,081	0,016	19	34	0							34		
Other					1	0							1		
							1x 3								
(119) **Lipoprotein (a) [nmol/L]**	[nmol/L]				35								35	32	91
Sample A													35	35	100
(2) Immunoturbidimetry		51,6	3,4	6,5	35	0	CVP	51,6	1,4	20%	41,2	62	35		
Sample B													35	32	91
(2) Immunoturbidimetry		11,2	1	9,2	35	0	CVP	11,2	0,43	20%	8,96	13,5	35		
(112) **Triacylglycerols**	[mmol/L]				309								309	306	99
Sample A		2,08	0,066	3,2	309		CVP	2,08	0,009	15%	1,76	2,4	309	308	100
(1) Photometric enzyme (GPO-PAP)		2,08	0,066	3,2	294	0							294		
(2) Enzymatic UV method		2,08	0,071	3,4	15	0							15		
Sample B		0,91	0,044	4,8	309		CVP	0,91	0,006	15%	0,773	1,05	309	307	99
(1) Photometric enzyme (GPO-PAP)		0,91	0,043	4,8	294	0							294		
(2) Enzymatic UV method		0,915	0,058	6,3	15	0							15		