

EQA round: RFA1/26 - Risk Factors for Atherosclerosis

Deadline: 3.4.2026

Setup: groups - M (measurement principle); Slovakia; minimal size of the groups n = 5

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

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]
							AV	U _{AV}	D _{max}	LL	UL			
(114) Apolipoprotein AI	[g/L]				13							13	11	85
Sample A												13	11	85
(2) Immunoturbidimetry		1,07	0,11	10	13	0	CVP	1,06	0,017	17%	0,879	1,25	13	
Sample B												13	12	92
(2) Immunoturbidimetry		2,16	0,18	8,5	13	0	CVP	2,16	0,036	17%	1,79	2,53	13	
(115) Apolipoprotein B	[g/L]				15							15	15	100
Sample A												15	15	100
(2) Immunoturbidimetry		0,629	0,034	5,5	15	0	CVP	0,638	0,008	14%	0,548	0,728	15	
Sample B												15	15	100
(2) Immunoturbidimetry		1,23	0,074	6	15	0	CVP	1,25	0,014	14%	1,07	1,43	15	
(111) Cholesterol	[mmol/L]				38							38	38	100
Sample A												38	38	100
(0) Not specified		3,4	0,091	2,7	38	0	CVP	3,4	0,013	8%	3,12	3,68	38	
Sample B												38	38	100
(0) Not specified		6,92	0,22	3,2	38	0	CVP	6,9	0,024	8%	6,34	7,46	38	
(113) Cholesterol HDL	[mmol/L]				38							38	38	100
Sample A		0,937	0,038	4,1	38		CVP	0,958	0,005	15%	0,814	1,11	38	38
(2) Direct determination		0,939	0,037	3,9	37	0						37		
Other					1	0						1		
							1x 1							
Sample B		1,95	0,071	3,6	38		CVP	1,97	0,012	15%	1,67	2,27	38	38
(2) Direct determination		1,96	0,066	3,4	37	0						37		
Other					1	0						1		
							1x 1							
(118) Cholesterol LDL (direct determination)	[mmol/L]				35							35	35	100
Sample A												35	35	100
(0) Not specified		2,05	0,14	6,8	35	0	CVP	2,03	0,021	20%	1,62	2,44	35	
Sample B												35	35	100
(0) Not specified		4,12	0,35	8,6	35	0	CVP	4,07	0,053	20%	3,25	4,89	35	
(116) Cholesterol LDL (calculation)	[mmol/L]				7							7	7	100
Sample A												7	7	100
(0) Not specified		1,96	0,14	7,2	7	0	CVP	1,98	0,025	15%	1,68	2,28	7	
Sample B												7	7	100
(0) Not specified		4,02	0,19	4,8	7	0	CVP	4,05	0,041	15%	3,44	4,66	7	
(117) Lipoprotein (a) [g/L]	[g/L]				5							5	4	80
Sample A		0,165	0,007	4,5	5		CVP	0,17	0,005	25%	0,127	0,213	5	5
Other					5	0						5		
							4x 2, 1x 3							
Sample B		0,34	0,015	4,4	5		CVP	0,332	0,008	25%	0,249	0,415	5	4
Other					5	0						5		
							4x 2, 1x 3							
(119) Lipoprotein (a) [nmol/L]	[nmol/L]				8							8	8	100
Sample A												8	8	100
(2) Immunoturbidimetry		31,6	9,2	29	8	0	CVP	31,1	1,8	36%	19,9	42,3	8	
Sample B												8	8	100
(2) Immunoturbidimetry		63,7	9,3	15	8	0	CVP	64,5	2,2	20%	51,6	77,4	8	
(112) Triacylglycerols	[mmol/L]				37							37	36	97
Sample A		1,02	0,052	5,1	37		CVP	1,04	0,006	13%	0,904	1,18	37	36
(1) Photometric enzyme (GPO-PAP)		1,02	0,051	5	34	0						34		
Other					3	0						3		
							3x 2							
Sample B		2,01	0,059	2,9	37		CVP	2,04	0,008	13%	1,77	2,31	37	36
(1) Photometric enzyme (GPO-PAP)		2,01	0,056	2,8	34	0						34		
Other					3	0						3		
							3x 2							