

## Summary statistics - quantitative results

(Groups: manufacturer of kit)

Filter: minimal size of groups n = 5

## EQA round: RFA1/19 - Risk Factors for Atherosclerosis

Dead line: 22.03.2019

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					AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>								
<b>(111) Cholesterol</b>	[mmol/L]				291						291	280	96%	
Samples and groups														
<b>Sample A</b>		4,81	0,17	3,6	291	CVP	4,81	0,025	8%	4,42	5,2	291	280	96%
(1) Abbott		4,88	0,069	1,4	44	0						44		
(12) Beckman Coulter		4,87	0,21	4,2	12	0						12		
(46) Erba Lachema		4,76	0,17	3,6	10	0						10		
(49) BioVendor		4,81	0,14	2,9	7	0						7		
(58) Beckman Coulter (Olympus)		4,96	0,15	3,1	66	0						66		
(60) Roche		4,66	0,12	2,5	97	0						97		
(149) Siemens (Dade)		4,84	0,10	2,1	12	0						12		
(177) MINDRAY		4,88	0,067	1,4	7	0						7		
(179) Siemens (Bayer)		4,78	0,13	2,8	26	0						26		
Other					10	0						10		
							2x 5, 1x 18, 1x 32, 1x 121, 1x 166, 3x 178, 1x 999							
<b>Sample B</b>		3,28	0,13	3,9	291	CVP	3,28	0,018	8%	3,01	3,55	291	287	99%
(1) Abbott		3,31	0,07	2,1	44	0						44		
(12) Beckman Coulter		3,26	0,17	5,2	12	0						12		
(46) Erba Lachema		3,29	0,10	3,2	10	0						10		
(49) BioVendor		3,38	0,18	5,3	7	0						7		
(58) Beckman Coulter (Olympus)		3,37	0,095	2,8	66	1						66		
(60) Roche		3,18	0,088	2,8	97	0						97		
(149) Siemens (Dade)		3,28	0,062	1,9	12	0						12		
(177) MINDRAY		3,33	0,059	1,8	7	0						7		
(179) Siemens (Bayer)		3,31	0,094	2,9	26	0						26		
Other					10	0						10		
							2x 5, 1x 18, 1x 32, 1x 121, 1x 166, 3x 178, 1x 999							
<b>(112) Triglycerides</b>	[mmol/L]				291						291	284	98%	
Samples and groups														
<b>Sample A</b>		1,54	0,056	3,7	291	CVP	1,54	,0081	15%	1,3	1,78	291	286	98%
(1) Abbott		1,53	0,051	3,3	43	0						43		
(12) Beckman Coulter		1,48	0,12	7,8	11	0						11		
(46) Erba Lachema		1,58	0,068	4,3	13	0						13		
(49) BioVendor		1,42	0,059	4,2	7	0						7		
(58) Beckman Coulter (Olympus)		1,51	0,048	3,2	64	0						64		
(60) Roche		1,56	0,04	2,6	97	0						97		
(149) Siemens (Dade)		1,57	0,12	7,9	12	0						12		
(177) MINDRAY		1,51	0,045	2,9	7	0						7		
(179) Siemens (Bayer)		1,56	0,038	2,4	26	0						26		
Other					11	0						11		
							3x 5, 1x 18, 1x 32, 1x 121, 1x 166, 3x 178, 1x 999							
<b>Sample B</b>		1,06	0,043	4,0	291	CVP	1,06	,0061	15%	0,901	1,22	291	285	98%
(1) Abbott		1,05	0,045	4,3	43	0						43		
(12) Beckman Coulter		1,00	0,10	10	11	0						11		
(46) Erba Lachema		1,10	0,043	3,9	13	0						13		
(49) BioVendor		0,980	0,03	3,0	7	0						7		
(58) Beckman Coulter (Olympus)		1,04	0,034	3,3	64	1						64		
(60) Roche		1,08	0,027	2,5	97	0						97		
(149) Siemens (Dade)		1,08	0,09	8,3	12	0						12		
(177) MINDRAY		1,05	0,022	2,1	7	0						7		
(179) Siemens (Bayer)		1,08	0,025	2,3	26	0						26		
Other					11	0						11		
							3x 5, 1x 18, 1x 32, 1x 121, 1x 166, 3x 178, 1x 999							
<b>(113) Cholesterol HDL</b>	[mmol/L]				293						293	290	99%	
Samples and groups														
<b>Sample A</b>		1,30	0,056	4,3	293	CVP	1,3	,0080	15%	1,1	1,5	293	291	99%
(1) Abbott		1,33	0,049	3,6	43	0						43		
(12) Beckman Coulter		1,33	0,076	5,7	11	0						11		
(46) Erba Lachema		1,33	0,075	5,6	11	0						11		
(49) BioVendor		1,35	0,074	5,5	7	0						7		
(58) Beckman Coulter (Olympus)		1,27	0,042	3,3	63	0						63		
(60) Roche		1,28	0,037	2,9	95	0						95		
(149) Siemens (Dade)		1,35	0,059	4,4	12	0						12		
(177) MINDRAY		1,35	0,015	1,1	6	0						6		
(179) Siemens (Bayer)		1,33	0,051	3,8	25	0						25		
Other					20	0						20		
							2x 5, 1x 18, 1x 32, 4x 70, 1x 75, 1x 121, 3x 158, 1x 166, 4x 178, 2x 999							
<b>Sample B</b>		0,886	0,039	4,3	293	CVP	0,886	,0055	15%	0,753	1,02	293	290	99%



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Dead line: 22.03.2019

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>(118) Cholesterol LDL (direct determ.)</b>	[mmol/L]				204							204	201	99%		
----- Samples and groups -----																
<b>Sample B</b>		1,99	0,098	4,9	204		CVP	1,99	0,017	15%	1,69	2,29	204	202	99%	
(1) Abbott		2,01	0,064	3,2	29	0							29			
(12) Beckman Coulter		2,02	0,096	4,8	7	0							7			
(46) Erba Lachema		1,99	0,13	6,7	9	0							9			
(49) BioVendor		1,90	0,15	7,8	6	0							6			
(58) Beckman Coulter (Olympus)		2,07	0,066	3,2	53	0							53			
(60) Roche		1,92	0,047	2,5	57	0							57			
(149) Siemens (Dade)		1,96	0,082	4,2	7	0							7			
(179) Siemens (Bayer)		2,01	0,096	4,8	17	0							17			
Other					19	0							19			
								2x 5, 1x 32, 3x 70, 4x 158, 4x 177, 3x 178, 1x 196, 1x 999								
<b>(117) Lipoprotein (a) [g/L]</b>	[g/L]				27								27	26	96%	
----- Samples and groups -----																
<b>Sample A</b>		0,240	0,016	6,5	27		CVP	0,24	,0073	32%	0,163	0,317	27	26	96%	
(116) Sentinel Diagnostics		0,243	0,008	3,7	5	0							5			
(179) Siemens (Bayer)		0,237	0,009	4,1	5	0							5			
Other					17	0							17			
								3x 12, 3x 58, 2x 60, 3x 75, 3x 91, 1x 149, 1x 152, 1x 178								
<b>Sample B</b>		0,167	0,013	8,0	27		CVP	0,167	,0063	32%	0,113	0,221	27	26	96%	
(116) Sentinel Diagnostics		0,166	0,004	2,7	5	0							5			
(179) Siemens (Bayer)		0,173	0,003	2,1	5	0							5			
Other					17	0							17			
								3x 12, 3x 58, 2x 60, 3x 75, 3x 91, 1x 149, 1x 152, 1x 178								
<b>(119) Lipoprotein (a) [nmol/L]</b>	[nmol/L]				23								23	21	91%	
----- Samples and groups -----																
<b>Sample A</b>		46,8	3,0	6,4	23		CVP	46,8	1,5	20%	37,4	56,2	23	22	96%	
(60) Roche		46,6	2,5	5,5	20	0							20			
Other					3	0							3			
								1x 1, 1x 75, 1x 116								
<b>Sample B</b>		30,1	2,1	7,1	23		CVP	30,1	1,1	20%	24	36,2	23	22	96%	
(60) Roche		30,0	2,3	7,7	20	0							20			
Other					3	0							3			
								1x 1, 1x 75, 1x 116								

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End of report

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