

Summary statistics - quantitative results

(Groups: measurement principle)

Filter: Slovakia, minimal size of groups n = 5

EQA round: PRO2/17 - Specific Proteins

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 _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(41) IgA					37							37	34	92%
Samples and groups	[g/L]													
Sample A		3,29	0,15	4,6	37	CVP	3,25	0,031	16%	2,73	3,77	37	35	95%
(2) Immunoturbidimetry		3,26	0,14	4,3	30	0						30		
(3) Immunonephelometry		3,39	0,15	4,4	6	0						6		
Other					1	0						1		
-----						1x0								
Sample B		1,67	0,071	4,2	37	CVP	1,66	0,014	16%	1,39	1,93	37	35	95%
(2) Immunoturbidimetry		1,67	0,071	4,3	30	0						30		
(3) Immunonephelometry		1,70	0,067	3,9	6	0						6		
Other					1	0						1		
-----						1x0								
(42) IgG					37							37	36	97%
Samples and groups	[g/L]													
Sample A		15,3	0,58	3,8	37	CVP	15,4	0,12	15%	13	17,8	37	36	97%
(2) Immunoturbidimetry		15,2	0,53	3,5	30	0						30		
(3) Immunonephelometry		15,7	0,60	3,8	6	0						6		
Other					1	0						1		
-----						1x0								
Sample B		8,32	0,35	4,2	37	CVP	8,29	0,065	15%	7,04	9,54	37	37	100%
(2) Immunoturbidimetry		8,27	0,36	4,4	30	0						30		
(3) Immunonephelometry		8,41	0,21	2,5	6	0						6		
Other					1	0						1		
-----						1x0								
(43) IgM					37							37	36	97%
Samples and groups	[g/L]													
Sample A		2,02	0,18	8,7	37	CVP	2,05	0,027	18%	1,68	2,42	37	36	97%
(2) Immunoturbidimetry		1,98	0,16	8,1	30	0						30		
(3) Immunonephelometry		2,18	0,096	4,4	6	0						6		
Other					1	0						1		
-----						1x0								
Sample B		1,01	0,062	6,1	37	CVP	1,02	0,010	18%	0,836	1,21	37	37	100%
(2) Immunoturbidimetry		0,999	0,052	5,2	30	0						30		
(3) Immunonephelometry		1,07	0,10	9,7	6	0						6		
Other					1	0						1		
-----						1x0								
(44) Transferrin					27							27	27	100%
Samples and groups	[g/L]													
Sample A		4,16	0,20	4,7	27	CVP	4,25	0,034	14%	3,65	4,85	27	27	100%
(2) Immunoturbidimetry		4,18	0,19	4,5	22	0						22		
Other					5	0						5		
-----						1x0, 4x3								
Sample B		2,34	0,13	5,4	27	CVP	2,35	0,017	14%	2,02	2,68	27	27	100%
(2) Immunoturbidimetry		2,34	0,11	4,6	22	0						22		
Other					5	0						5		
-----						1x0, 4x3								
(46) alpha-1-antitrypsin					22							22	21	95%
Samples and groups	[g/L]													
Sample A		1,95	0,14	7,3	22	CVP	1,94	0,035	25%	1,45	2,43	22	22	100%
(2) Immunoturbidimetry		1,93	0,12	6,0	17	0						17		
(3) Immunonephelometry		2,07	0,10	5,0	5	0						5		
-----						1x0								
Sample B		1,09	0,095	8,7	22	CVP	1,08	0,022	25%	0,81	1,35	22	21	95%
(2) Immunoturbidimetry		1,09	0,089	8,1	17	0						17		
(3) Immunonephelometry		1,08	0,074	6,9	5	0						5		
-----						1x0								
(47) C3 complement					31							31	30	97%
Samples and groups	[g/L]													
Sample A		2,07	0,13	6,5	31	CVP	2,11	0,038	17%	1,75	2,47	31	31	100%
(2) Immunoturbidimetry		2,07	0,16	7,5	25	0						25		
(3) Immunonephelometry		2,09	0,13	6,0	6	0						6		
-----						1x0								
Sample B		1,13	0,065	5,7	31	CVP	1,15	0,021	17%	0,954	1,35	31	30	97%
(2) Immunoturbidimetry		1,14	0,07	6,1	25	0						25		
(3) Immunonephelometry		1,09	0,074	6,8	6	0						6		
-----						1x0								
(48) Prealbumin					17							17	17	100%
Samples and groups	[g/L]													
Sample A		0,423	0,046	11	17	CVP	0,434	0,095	23%	0,334	0,534	17	17	100%

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Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(48) Prealbumin	[g/L]				17								17	17	100%
Samples and groups															
Sample A		0,423	0,046	11	17		CVP	0,434	,0095	23%	0,334	0,534	17	17	100%
(2) Immunoturbidimetry		0,415	0,041	9,9	15	0							15		
Other					2	0							2		
							2x3								
Sample B		0,224	0,014	6,3	17		CVP	0,228	,0031	23%	0,175	0,281	17	17	100%
(2) Immunoturbidimetry		0,223	0,015	6,6	15	0							15		
Other					2	0							2		
							2x3								
(49) Ceruloplasmin	[g/L]				20								18	17	94%
Samples and groups															
Sample A		0,467	0,078	17	20								18	17	94%
(2) Immunoturbidimetry; (58) Beckman Coulter (Olympus)		0,398	0,011	2,8	5	0	CVPG	0,428	0,054	19%	0,346	0,51	5		
Other					15	0							13		
							1x 2/1, 4x 2/5, 1x 2/49, 2x 2/60, 4x 2/91, 1x 3/12, 2x 3/149								
Sample B		0,260	0,045	17	20								18	17	94%
(2) Immunoturbidimetry; (58) Beckman Coulter (Olympus)		0,214	0,036	17	5	0	CVPG	0,23	0,058	19%	0,186	0,274	5		
Other					15	0							13		
							1x 2/1, 4x 2/5, 1x 2/49, 2x 2/60, 4x 2/91, 1x 3/12, 2x 3/149								
(50) Orosomuroid	[g/L]				15								15	15	100%
Samples and groups															
Sample A		1,28	0,063	4,9	15		CVP	1,27	0,025	20%	1,01	1,53	15	15	100%
(2) Immunoturbidimetry		1,29	0,067	5,2	13	0							13		
Other					2	0							2		
							2x3								
Sample B		0,674	0,061	9,1	15		CVP	0,643	0,016	20%	0,514	0,772	15	15	100%
(2) Immunoturbidimetry		0,684	0,058	8,4	13	0							13		
Other					2	0							2		
							2x3								
(51) Haptoglobin	[g/L]				17								17	15	88%
Samples and groups															
Sample A		1,72	0,083	4,8	17		CVP	1,73	0,024	13%	1,5	1,96	17	16	94%
(2) Immunoturbidimetry		1,70	0,079	4,6	14	0							14		
Other					3	0							3		
							3x3								
Sample B		0,926	0,038	4,1	17		CVP	0,921	0,012	13%	0,801	1,05	17	16	94%
(2) Immunoturbidimetry		0,925	0,045	4,8	14	0							14		
Other					3	0							3		
							3x3								
(52) C4 complement	[g/L]				31								31	27	87%
Samples and groups															
Sample A		0,393	0,038	9,6	31		CVP	0,395	,0065	21%	0,312	0,478	31	30	97%
(2) Immunoturbidimetry		0,394	0,037	9,3	25	0							25		
(3) Immunonephelometry		0,392	0,057	15	6	0							6		
Sample B		0,207	0,02	9,6	31		CVP	0,206	,0031	21%	0,162	0,25	31	28	90%
(2) Immunoturbidimetry		0,208	0,02	9,7	25	0							25		
(3) Immunonephelometry		0,205	0,022	11	6	0							6		
							3x3								
(53) a-2-macroglobulin	[g/L]				8								8	6	75%
Samples and groups															
Sample A		2,55	0,33	13	8		CVP	2,5	0,13	21%	1,97	3,03	8	8	100%
(2) Immunoturbidimetry		2,60	0,26	9,8	5	0							5		
Other					3	0							3		
							3x3								
Sample B		1,51	0,19	13	8		CVP	1,44	0,059	21%	1,13	1,75	8	6	75%
(2) Immunoturbidimetry		1,57	0,11	7,1	5	0							5		
Other					3	0							3		
							3x3								
(55) Total protein	[g/L]				35								35	34	97%
Samples and groups															
Sample A		104	2,7	2,6	35		CVP	103	0,58	8%	94,7	112	35	35	100%
(1) Biuret		104	2,7	2,6	34	0							34		
Other					1	0							1		
							1x99								
Sample B		55,9	1,5	2,7	35		CVP	55,4	0,29	8%	50,9	59,9	35	34	97%
(1) Biuret		55,9	1,5	2,6	34	0							34		
Other					1	0							1		
							1x99								