

Summary statistics - quantitative results

(Groups: measurement principle)

Filter: minimal size of the groups n = 5

EQA round: PRO2/20 - Specific Proteins

Deadline: 21.08.2020

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 the 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												
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(41) IgA					221						221	217	98%	
Samples and groups	[g/L]													
Sample A		1,80	0,063	3,5	221	CVP	1,80	0,010	16%	1,51	2,09	221	218	99%
(2) Immunoturbidimetry		1,80	0,061	3,4	185	0						185		
(3) Immunonephelometry		1,79	0,069	3,9	35	0						35		
Other					1	0						1		
Sample B		3,49	0,14	3,9	221	CVP	3,49	0,022	16%	2,93	4,05	221	220	100%
(2) Immunoturbidimetry		3,50	0,13	3,8	185	0						185		
(3) Immunonephelometry		3,43	0,12	3,4	35	0						35		
Other					1	0						1		
(42) IgG					222						222	222	100%	
Samples and groups	[g/L]													
Sample A		7,56	0,29	3,8	222	CVP	7,56	0,047	15%	6,42	8,7	222	222	100%
(2) Immunoturbidimetry		7,55	0,28	3,7	187	0						187		
(3) Immunonephelometry		7,64	0,32	4,2	34	0						34		
Other					1	0						1		
Sample B		10,4	0,38	3,7	222	CVP	10,4	0,063	15%	8,84	12	222	222	100%
(2) Immunoturbidimetry		10,3	0,37	3,6	187	0						187		
(3) Immunonephelometry		10,5	0,37	3,5	34	0						34		
Other					1	0						1		
(43) IgM					221						221	215	97%	
Samples and groups	[g/L]													
Sample A		0,552	0,03	5,5	221	CVP	0,552	0,0050	18%	0,452	0,652	221	219	99%
(2) Immunoturbidimetry		0,549	0,031	5,6	186	1						186		
(3) Immunonephelometry		0,561	0,025	4,4	34	0						34		
Other					1	0						1		
Sample B		1,37	0,078	5,7	221	CVP	1,37	0,013	18%	1,12	1,62	221	217	98%
(2) Immunoturbidimetry		1,36	0,077	5,6	186	0						186		
(3) Immunonephelometry		1,41	0,074	5,2	34	0						34		
Other					1	0						1		
(44) Transferrin					201						201	200	100%	
Samples and groups	[g/L]													
Sample A		2,25	0,082	3,6	201	CVP	2,25	0,014	14%	1,93	2,57	201	201	100%
(2) Immunoturbidimetry		2,26	0,079	3,5	183	0						183		
(3) Immunonephelometry		2,21	0,098	4,4	17	0						17		
Other					1	0						1		
Sample B		3,00	0,12	4,0	201	CVP	3,00	0,021	14%	2,58	3,42	201	200	100%
(2) Immunoturbidimetry		3,00	0,12	3,8	183	0						183		
(3) Immunonephelometry		2,94	0,19	6,5	17	0						17		
Other					1	0						1		
(46) alpha-1-antitrypsin					88						88	85	97%	
Samples and groups	[g/L]													
Sample A		1,13	0,12	10	88	CVP	1,13	0,031	25%	0,847	1,42	88	86	98%
(2) Immunoturbidimetry		1,10	0,11	9,7	65	0						65		
(3) Immunonephelometry		1,20	0,11	9,4	23	0						23		
Sample B		1,49	0,17	11	88	CVP	1,49	0,045	25%	1,11	1,87	88	86	98%
(2) Immunoturbidimetry		1,47	0,15	10	65	0						65		
(3) Immunonephelometry		1,58	0,19	12	23	0						23		
(47) C3 complement					136						136	134	99%	
Samples and groups	[g/L]													
Sample A		0,997	0,042	4,2	136	CVP	0,997	0,0088	17%	0,827	1,17	136	134	99%
(2) Immunoturbidimetry		0,995	0,046	4,6	104	0						104		
(3) Immunonephelometry		1,00	0,032	3,2	32	0						32		
Sample B		1,43	0,063	4,4	136	CVP	1,43	0,013	17%	1,18	1,68	136	134	99%
(2) Immunoturbidimetry		1,42	0,067	4,7	104	0						104		
(3) Immunonephelometry		1,44	0,043	3,0	32	0						32		

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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				
(55) Total protein	[g/L]				199								199	197	99%
Samples and groups															
Sample B		74,1	4,0	5,4	199		CVP	74,1	0,70	12%	65,2	83	199	197	99%
(1) Biuret		74,0	4,0	5,4	197	0							197		
Other					2	0							2		
						2x 99									
(56) Soluble Transferrin Receptor (sTfR)	[mg/L]				59								47	45	96%
Samples and groups															
Sample A		1,80	1,1	58	59								47	46	98%
(2) EIA (ELISA); (60) Roche		2,77	0,17	6,0	12	0	CVPG	2,8	0,070	20%	2,24	3,36	12		
(3) FIA (FEIA, TRACE); (149) Siemens (BN, Dimension)		1,13	0,037	3,3	7	0	CVPG	1,14	0,030	20%	0,912	1,37	7		
(4) LIA (CLIA, CMIA, ECLIA, LOCI); (12) Beckman Coulter		1,06	0,096	9,1	8	0	CVPG	1,06	0,048	20%	0,848	1,28	8		
(6) IMT, IMN; (60) Roche		2,82	0,16	5,5	13	0	CVPG	2,8	0,070	20%	2,24	3,36	13		
Other					19	0							7		
						1x 2/12, 3x 2/999, 1x 3/1, 1x 4/58, 1x 4/60, 2x 6/75, 3x 6/149, 1x 6/166, 4x 6/999, 2x 99/12									
Sample B		2,38	1,4	58	59								47	45	96%
(2) EIA (ELISA); (60) Roche		3,69	0,18	4,9	12	0	CVPG	3,7	0,094	20%	2,96	4,44	12		
(3) FIA (FEIA, TRACE); (149) Siemens (BN, Dimension)		1,49	0,13	8,5	7	0	CVPG	1,48	0,068	20%	1,18	1,78	7		
(4) LIA (CLIA, CMIA, ECLIA, LOCI); (12) Beckman Coulter		1,39	0,14	10	8	0	CVPG	1,39	0,072	20%	1,11	1,67	8		
(6) IMT, IMN; (60) Roche		3,69	0,23	6,2	13	0	CVPG	3,7	0,094	20%	2,96	4,44	13		
Other					19	0							7		
						1x 2/12, 3x 2/999, 1x 3/1, 1x 4/58, 1x 4/60, 2x 6/75, 3x 6/149, 1x 6/166, 4x 6/999, 2x 99/12									

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End of report

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