

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO1/22 - Blood Count

Deadline: 11.03.2022

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}
(150) WBC					212							212	209	99%
----- Samples and groups	r.10(exp9)/L]													
Sample A		3,56	0,12	3,3	212	CVP	3,56	0,020	18%	2,91	4,21	212	210	99%
(718) Beckman Coulter AcT series, DxH 500 series		3,35	0,22	6,6	8	0						8		
(737) Siemens Advia 120, 2120, 2120i		3,58	0,16	4,5	11	0						11		
(749) Sysmex XE, XS, XT series		3,59	0,14	3,8	10	0						10		
(755) Sysmex KX series		3,58	0,14	3,8	26	0						26		
(765) Abbott CELL-DYN Ruby		3,49	0,081	2,3	11	0						11		
(771) MINDRAY BC 6xxx series		3,62	0,12	3,3	8	0						8		
(772) Sysmex XN series		3,57	0,097	2,7	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,49	0,13	3,7	10	0						10		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999					212	211	100%
Sample B		4,12	0,14	3,5	212	CVP	4,12	0,024	15%	3,5	4,74	212	211	100%
(718) Beckman Coulter AcT series, DxH 500 series		3,73	0,29	7,8	8	0						8		
(737) Siemens Advia 120, 2120, 2120i		3,97	0,20	4,9	11	0						11		
(749) Sysmex XE, XS, XT series		4,16	0,15	3,6	10	0						10		
(755) Sysmex KX series		4,12	0,14	3,3	26	0						26		
(765) Abbott CELL-DYN Ruby		4,10	0,15	3,7	11	0						11		
(771) MINDRAY BC 6xxx series		4,19	0,16	3,9	8	0						8		
(772) Sysmex XN series		4,16	0,11	2,6	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,97	0,15	3,7	10	0						10		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999					212	212	100%
(151) RBC					212							212	212	100%
----- Samples and groups	r.10(exp12)/L]													
Sample A		4,67	0,074	1,6	212	CVP	4,67	0,013	7%	4,34	5	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		4,67	0,16	3,5	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		4,73	0,095	2,0	11	0						11		
(749) Sysmex XE, XS, XT series		4,70	0,066	1,4	10	0						10		
(755) Sysmex KX series		4,65	0,07	1,5	26	0						26		
(765) Abbott CELL-DYN Ruby		4,81	0,071	1,5	11	0						11		
(771) MINDRAY BC 6xxx series		4,72	0,19	4,1	8	0						8		
(772) Sysmex XN series		4,67	0,057	1,2	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,63	0,073	1,6	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999					212	212	100%
Sample B		3,74	0,059	1,6	212	CVP	3,74	0,0100	7%	3,47	4,01	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		3,70	0,074	2,0	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		3,85	0,091	2,4	11	0						11		
(749) Sysmex XE, XS, XT series		3,77	0,062	1,6	10	0						10		
(755) Sysmex KX series		3,76	0,066	1,7	26	0						26		
(765) Abbott CELL-DYN Ruby		3,81	0,062	1,6	11	0						11		
(771) MINDRAY BC 6xxx series		3,80	0,17	4,5	8	0						8		
(772) Sysmex XN series		3,72	0,04	1,1	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,72	0,074	2,0	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999					212	212	100%
(152) Haemoglobin					212							212	212	100%
----- Samples and groups	[g/L]													
Sample A		145	2,2	1,5	212	CVP	145	0,38	6%	136	154	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		146	2,4	1,7	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		147	2,0	1,3	11	0						11		
(749) Sysmex XE, XS, XT series		145	2,9	2,0	10	0						10		
(755) Sysmex KX series		144	2,3	1,6	26	0						26		
(765) Abbott CELL-DYN Ruby		147	1,6	1,1	11	0						11		
(771) MINDRAY BC 6xxx series		145	2,2	1,5	8	0						8		
(772) Sysmex XN series		144	1,6	1,1	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		145	1,5	1,0	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999					212	212	100%
Sample B		109	1,9	1,8	212	CVP	109	0,33	6%	102	116	212	212	100%

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EQA round: KO1/22 - Blood Count

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Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(152) Haemoglobin	[g/L]				212							212	212	100%
Samples and groups														
Sample B		109	1,9	1,8	212	CVP	109	0,33	6%	102	116	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		109	1,3	1,2	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		112	0,78	0,69	11	0						11		
(749) Sysmex XE, XS, XT series		109	2,3	2,1	10	0						10		
(755) Sysmex KX series		109	2,1	2,0	26	0						26		
(765) Abbott CELL-DYN Ruby		111	1,1	1,0	11	0						11		
(771) MINDRAY BC 6xxx series		109	1,7	1,6	8	0						8		
(772) Sysmex XN series		108	1,3	1,2	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		110	1,4	1,2	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999							
(153) HCT	[-]				212							212	212	100%
Samples and groups														
Sample A		0,433	0,01	2,4	212	CVP	0,433	,0017	10%	0,389	0,477	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		0,434	0,005	1,4	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		0,440	0,013	2,9	11	0						11		
(749) Sysmex XE, XS, XT series		0,436	0,017	3,9	10	0						10		
(755) Sysmex KX series		0,426	0,007	1,9	26	0						26		
(765) Abbott CELL-DYN Ruby		0,446	0,009	2,1	11	0						11		
(771) MINDRAY BC 6xxx series		0,429	0,01	2,4	8	0						8		
(772) Sysmex XN series		0,434	0,007	1,7	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,431	0,006	1,6	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999							
Sample B		0,341	0,007	2,3	212	CVP	0,341	,0013	10%	0,306	0,376	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		0,330	0,013	3,8	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		0,350	0,009	2,8	11	0						11		
(749) Sysmex XE, XS, XT series		0,349	0,015	4,2	10	0						10		
(755) Sysmex KX series		0,340	0,007	2,2	26	0						26		
(765) Abbott CELL-DYN Ruby		0,348	0,005	1,4	11	0						11		
(771) MINDRAY BC 6xxx series		0,338	0,013	3,9	8	0						8		
(772) Sysmex XN series		0,342	0,005	1,6	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,333	0,006	1,9	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999							
(154) MCV	[fL]				212							212	212	100%
Samples and groups														
Sample A		92,7	1,6	1,7	212	CVP	92,7	0,27	10%	83,4	102	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		92,3	1,3	1,4	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		93,2	1,4	1,5	11	0						11		
(749) Sysmex XE, XS, XT series		92,7	3,4	3,7	10	0						10		
(755) Sysmex KX series		91,6	1,7	1,8	26	0						26		
(765) Abbott CELL-DYN Ruby		92,7	1,7	1,8	11	0						11		
(771) MINDRAY BC 6xxx series		91,8	1,5	1,6	8	0						8		
(772) Sysmex XN series		93,1	1,2	1,3	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		93,2	0,76	0,82	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999							
Sample B		91,1	1,8	2,0	212	CVP	91,1	0,31	10%	81,9	101	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		89,6	1,0	1,2	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		90,9	1,3	1,4	11	0						11		
(749) Sysmex XE, XS, XT series		92,1	3,4	3,7	10	0						10		
(755) Sysmex KX series		90,4	1,6	1,8	26	0						26		
(765) Abbott CELL-DYN Ruby		91,3	1,6	1,7	11	0						11		
(771) MINDRAY BC 6xxx series		89,0	1,5	1,7	8	0						8		
(772) Sysmex XN series		92,0	1,2	1,3	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		89,7	0,90	1,0	11	0						11		
Other					22	0						22		
							4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999							
(155) Platelets	[$\cdot 10^{(exp9)}/L$]				212							212	211	100%
Samples and groups														
Sample A		209	10	4,8	212	CVP	209	1,7	20%	167	251	212	211	100%
(718) Beckman Coulter AcT series, DxH 500 series		212	18	8,4	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		209	13	6,1	11	0						11		

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(Groups: system)

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EQA round: KO1/22 - Blood Count

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Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(155) Platelets	f.10(exp9)/L]				212							212	211	100%
Samples and groups														
Sample A		209	10	4,8	212	CVP	209	1,7	20%	167	251	212	211	100%
(749) Sysmex XE, XS, XT series		207	10	4,9	10	0						10		
(755) Sysmex KX series		202	5,2	2,6	26	0						26		
(765) Abbott CELL-DYN Ruby		199	5,6	2,8	11	0						11		
(771) MINDRAY BC 6xxx series		214	15	6,9	8	0						8		
(772) Sysmex XN series		214	7,1	3,3	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		202	7,1	3,5	11	0						11		
Other					22	0						22		
4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999														
Sample B		233	11	4,5	212	CVP	233	1,8	20%	186	280	212	212	100%
(718) Beckman Coulter AcT series, DxH 500 series		245	21	8,8	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		234	15	6,3	11	0						11		
(749) Sysmex XE, XS, XT series		230	8,7	3,8	10	0						10		
(755) Sysmex KX series		225	7,6	3,4	26	0						26		
(765) Abbott CELL-DYN Ruby		212	4,9	2,3	11	0						11		
(771) MINDRAY BC 6xxx series		239	8,9	3,7	8	0						8		
(772) Sysmex XN series		237	6,0	2,5	106	0						106		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		220	10	4,7	11	0						11		
Other					22	0						22		
4x 703, 1x 706, 2x 716, 4x 741, 2x 743, 1x 744, 1x 763, 3x 766, 2x 768, 2x 999														
(156) RDW	[%]				187							182	177	97%
Samples and groups														
Sample A		12,9	0,42	3,2	187							182	179	98%
(1) Abbott; (765) Abbott CELL-DYN Ruby		11,7	0,40	3,4	10	0	CVPG	11,7	0,29	10%	10,5	12,9	10	
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		13,5	0,89	6,6	7	0	CVPG	13,5	0,24	10%	12,1	14,9	7	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		13,5	0,18	1,3	11	0	CVPG	13,5	0,24	10%	12,1	14,9	11	
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,3	0,22	1,7	9	0	CVPG	12,8	0,052	10%	11,5	14,1	9	
(63) Sysmex; (755) Sysmex KX series		12,9	0,30	2,3	13	1	CVPG	12,8	0,052	10%	11,5	14,1	13	
(63) Sysmex; (772) Sysmex XN series		12,8	0,21	1,6	101	1	CVPG	12,8	0,052	10%	11,5	14,1	101	
(177) Mindray; (771) MINDRAY BC 6xxx series		13,1	0,22	1,7	8	0	CVPG	13,1	0,23	10%	11,7	14,5	8	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		13,0	0,46	3,5	10	0	CVPG	13,2	0,38	10%	11,8	14,6	10	
Other					18	0						13		
1x 1/763, 1x 46/999, 4x 157/741, 2x 157/743, 1x 157/744, 2x 177/766, 3x 179/703, 2x 204/716, 1x 205/706, 1x 999/999														
Sample B		14,9	0,42	2,8	187							182	177	97%
(1) Abbott; (765) Abbott CELL-DYN Ruby		13,6	0,46	3,4	10	0	CVPG	13,6	0,32	10%	12,2	15	10	
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		15,2	0,74	4,9	7	0	CVPG	15,4	0,21	10%	13,8	17	7	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		15,5	0,32	2,1	11	0	CVPG	15,4	0,21	10%	13,8	17	11	
(63) Sysmex; (749) Sysmex XE, XS, XT series		15,2	0,22	1,5	9	0	CVPG	14,9	0,055	10%	13,4	16,4	9	
(63) Sysmex; (755) Sysmex KX series		14,7	0,27	1,8	13	1	CVPG	14,9	0,055	10%	13,4	16,4	13	
(63) Sysmex; (772) Sysmex XN series		14,9	0,21	1,4	101	1	CVPG	14,9	0,055	10%	13,4	16,4	101	
(177) Mindray; (771) MINDRAY BC 6xxx series		14,8	0,52	3,5	8	0	CVPG	14,8	0,37	10%	13,3	16,3	8	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		14,7	0,50	3,4	10	0	CVPG	14,9	0,40	10%	13,4	16,4	10	
Other					18	0						13		
1x 1/763, 1x 46/999, 4x 157/741, 2x 157/743, 1x 157/744, 2x 177/766, 3x 179/703, 2x 204/716, 1x 205/706, 1x 999/999														
(157) MPV	[fL]				192							184	183	99%
Samples and groups														
Sample A		9,76	0,75	7,7	192							184	183	99%
(1) Abbott; (765) Abbott CELL-DYN Ruby		6,28	0,36	5,8	9	0	CVPG	6,32	0,29	18%	5,18	7,46	9	
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		8,43	0,41	4,8	7	0	CVPG	8,52	0,17	18%	6,98	10,1	7	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		8,60	0,27	3,2	11	0	CVPG	8,52	0,17	18%	6,98	10,1	11	
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,3	0,21	2,1	10	0	CVPG	10,1	0,059	18%	8,28	12	10	
(63) Sysmex; (755) Sysmex KX series		9,86	0,38	3,8	17	0	CVPG	10,1	0,059	18%	8,28	12	17	
(63) Sysmex; (772) Sysmex XN series		10,2	0,24	2,4	102	0	CVPG	10,1	0,059	18%	8,28	12	102	
(177) Mindray; (771) MINDRAY BC 6xxx series		10,1	0,37	3,7	7	0	CVPG	9,76	0,45	18%	8	11,6	7	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		9,47	0,60	6,3	10	0	CVPG	9,47	0,47	18%	7,76	11,2	10	

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(157) MPV	[fL]				192							184	183	99%	
Samples and groups															
Sample A		9,76	0,75	7,7	192							184	183	99%	
Other					19	0	1x 1/763, 3x 703, 1x 46/999, 4x 157/741, 2x 157/743, 1x 157/744, 2x 177/766, 1x 177/768, 2x 204/716, 1x 205/706, 1x 999/999					11			
Sample B		11,4	0,78	6,9	192							184	183	99%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		7,70	0,50	6,5	9	0	CVPG	7,67	0,43	18%	6,28	9,06	9		
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		9,99	0,36	3,6	7	0	CVPG	10	0,28	18%	8,2	11,8	7		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		10,1	0,49	4,8	11	0	CVPG	10	0,28	18%	8,2	11,8	11		
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,8	0,31	2,7	10	0	CVPG	11,8	0,071	18%	9,67	14	10		
(63) Sysmex; (755) Sysmex KX series		11,4	0,30	2,6	17	0	CVPG	11,8	0,071	18%	9,67	14	17		
(63) Sysmex; (772) Sysmex XN series		11,8	0,31	2,6	102	0	CVPG	11,8	0,071	18%	9,67	14	102		
(177) Mindray; (771) MINDRAY BC 6xxx series		11,9	0,67	5,6	7	0	CVPG	11,5	0,58	18%	9,43	13,6	7		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		11,2	0,33	2,9	10	0	CVPG	11,2	0,25	18%	9,18	13,3	10		
Other					19	0	1x 1/763, 3x 703, 1x 46/999, 4x 157/741, 2x 157/743, 1x 157/744, 2x 177/766, 1x 177/768, 2x 204/716, 1x 205/706, 1x 999/999					11			
(158) PDW [%]	[%]				28							16	16	100%	
Samples and groups															
Sample A		22,5	13	57	28							16	16	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,2	0,074	0,46	8	0	CVPG	16,1	0,095	15%	13,6	18,6	8		
Other					20	0	3x 703, 2x 12/718, 1x 46/999, 4x 157/741, 1x 157/743, 1x 157/744, 4x 179/737, 2x 204/716, 1x 205/706, 1x 999/999					8			
Sample B		23,3	12	51	28							16	16	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,9	0,150	0,88	8	0	CVPG	17,1	0,56	15%	14,5	19,7	8		
Other					20	0	3x 703, 2x 12/718, 1x 46/999, 4x 157/741, 1x 157/743, 1x 157/744, 4x 179/737, 2x 204/716, 1x 205/706, 1x 999/999					8			
(165) PDW [fL]	[fL]				126							126	125	99%	
Samples and groups															
Sample A		11,5	0,57	5,0	126							126	125	99%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,8	0,69	5,8	10	0	CVPG	11,5	0,13	15%	9,77	13,3	10		
(63) Sysmex; (755) Sysmex KX series		11,7	0,34	2,9	16	0	CVPG	11,5	0,13	15%	9,77	13,3	16		
(63) Sysmex; (772) Sysmex XN series		11,5	0,59	5,1	100	0	CVPG	11,5	0,13	15%	9,77	13,3	100		
Sample B		14,6	0,86	5,9	126							126	126	100%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		15,1	0,92	6,1	10	0	CVPG	14,6	0,19	15%	12,4	16,8	10		
(63) Sysmex; (755) Sysmex KX series		14,5	0,95	6,6	16	0	CVPG	14,6	0,19	15%	12,4	16,8	16		
(63) Sysmex; (772) Sysmex XN series		14,6	0,84	5,8	100	0	CVPG	14,6	0,19	15%	12,4	16,8	100		
(166) PDW [-]	[-]				15							15	15	100%	
Samples and groups															
Sample A		16,7	1,4	8,4	15							15	15	100%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		18,1	0,82	4,5	6	0	CVPG	18,1	1,1	15%	15,3	20,9	6		
(177) Mindray; (771) MINDRAY BC 6xxx series		15,8	0,150	0,94	7	0	CVPG	15,8	0,18	15%	13,4	18,2	7		
Other					2	0	2x 177/766					2			
Sample B		17,6	2,3	13	15							15	15	100%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		20,1	0,67	3,3	6	0	CVPG	20,1	0,93	15%	17	23,2	6		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,1	0,150	0,92	7	0	CVPG	16	0,18	15%	13,6	18,4	7		
Other					2	0	2x 177/766					2			
(160) Neutrophils	1·10 ^(exp9) /L				168							168	161	96%	
Samples and groups															
Sample A		1,40	0,064	4,5	168		CVP	1,4	0,012	25%	1,05	1,75	168	161	96%
(718) Beckman Coulter AcT series, DxH 500 series		1,34	0,059	4,4	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		1,41	0,11	7,7	11	0							11		
(749) Sysmex XE, XS, XT series		1,42	0,064	4,5	10	0							10		
(765) Abbott CELL-DYN Ruby		1,36	0,037	2,7	9	0							9		
(771) MINDRAY BC 6xxx series		1,55	0,082	5,3	6	0							6		
(772) Sysmex XN series		1,41	0,05	3,5	103	0							103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,38	0,062	4,5	11	0							11		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO1/22 - Blood Count

Deadline: 11.03.2022

Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(160) Neutrophiles	f.10(exp9)/L]				168							168	161	96%
Samples and groups														
Sample A		1,40	0,064	4,5	168	CVP	1,4	0,012	25%	1,05	1,75	168	161	96%
Other					12	1						12		

Sample B		1,52	0,076	5,0	168	CVP	1,52	0,014	25%	1,14	1,9	168	164	98%
(718) Beckman Coulter AcT series, DxH 500 series		1,43	0,13	8,8	6	0						6		
(737) Siemens Advia 120, 2120, 2120i		1,52	0,099	6,5	11	0						11		
(749) Sysmex XE, XS, XT series		1,58	0,078	4,9	10	0						10		
(765) Abbott CELL-DYN Ruby		1,44	0,12	8,2	9	0						9		
(771) MINDRAY BC 6xxx series		1,58	0,045	2,8	6	0						6		
(772) Sysmex XN series		1,52	0,063	4,2	103	0						103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,48	0,076	5,2	11	0						11		
Other					12	0						12		

4x 703, 1x 716, 1x 743, 1x 744, 2x 755, 1x 763, 1x 768, 1x 999														
(161) Lymphocytes	f.10(exp9)/L]				168							168	167	99%
Samples and groups														
Sample A		1,43	0,059	4,1	168	CVP	1,43	0,011	25%	1,07	1,79	168	168	100%
(718) Beckman Coulter AcT series, DxH 500 series		1,37	0,037	2,7	6	0						6		
(737) Siemens Advia 120, 2120, 2120i		1,40	0,11	7,5	11	0						11		
(749) Sysmex XE, XS, XT series		1,48	0,076	5,1	11	0						11		
(765) Abbott CELL-DYN Ruby		1,38	0,074	5,4	9	0						9		
(771) MINDRAY BC 6xxx series		1,44	0,067	4,6	6	0						6		
(772) Sysmex XN series		1,44	0,047	3,3	102	0						102		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,40	0,026	1,8	11	0						11		
Other					12	0						12		

4x 703, 1x 716, 1x 743, 1x 744, 2x 755, 1x 763, 1x 768, 1x 999														
Sample B		2,24	0,09	4,0	168	CVP	2,24	0,017	25%	1,68	2,8	168	167	99%
(718) Beckman Coulter AcT series, DxH 500 series		1,91	0,082	4,3	6	0						6		
(737) Siemens Advia 120, 2120, 2120i		2,09	0,08	3,8	11	0						11		
(749) Sysmex XE, XS, XT series		2,25	0,095	4,2	11	0						11		
(765) Abbott CELL-DYN Ruby		2,28	0,082	3,6	9	0						9		
(771) MINDRAY BC 6xxx series		2,29	0,096	4,2	6	0						6		
(772) Sysmex XN series		2,26	0,073	3,2	102	0						102		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,18	0,073	3,4	11	0						11		
Other					12	0						12		

4x 703, 1x 716, 1x 743, 1x 744, 2x 755, 1x 763, 1x 768, 1x 999														
(162) Monocytes	f.10(exp9)/L]				166							166	163	98%
Samples and groups														
Sample A		0,317	0,033	10	166	CVP	0,317	,0062	50%	0,158	0,476	166	165	99%
(718) Beckman Coulter AcT series, DxH 500 series		0,270	0,015	5,5	6	0						6		
(737) Siemens Advia 120, 2120, 2120i		0,242	0,028	12	11	0						11		
(749) Sysmex XE, XS, XT series		0,326	0,03	9,0	10	0						10		
(765) Abbott CELL-DYN Ruby		0,318	0,006	2,1	9	0						9		
(771) MINDRAY BC 6xxx series		0,255	0,022	8,7	6	0						6		
(772) Sysmex XN series		0,329	0,023	6,8	103	0						103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,300	0,004	1,6	11	0						11		
Other					10	0						10		

4x 703, 1x 716, 1x 743, 1x 744, 1x 763, 1x 768, 1x 999														
Sample B		0,247	0,046	18	166	CVP	0,247	,0087	50%	0,123	0,371	166	163	98%
(718) Beckman Coulter AcT series, DxH 500 series		0,195	0,022	11	6	0						6		
(737) Siemens Advia 120, 2120, 2120i		0,166	0,02	12	11	0						11		
(749) Sysmex XE, XS, XT series		0,246	0,029	12	10	0						10		
(765) Abbott CELL-DYN Ruby		0,251	0,018	7,1	9	0						9		
(771) MINDRAY BC 6xxx series		0,195	0,007	3,8	6	0						6		
(772) Sysmex XN series		0,264	0,033	12	103	0						103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,215	0,026	12	11	0						11		
Other					10	0						10		

4x 703, 1x 716, 1x 743, 1x 744, 1x 763, 1x 768, 1x 999														
(163) Eosinophils	f.10(exp9)/L]				166							166	162	98%
Samples and groups														
Sample A		0,332	0,028	8,3	166	CVP	0,332	,0053	50%	0,166	0,498	166	165	99%
(718) Beckman Coulter AcT series, DxH 500 series		0,335	0,022	6,6	6	0						6		
(737) Siemens Advia 120, 2120, 2120i		0,321	0,028	8,6	11	0						11		
(749) Sysmex XE, XS, XT series		0,331	0,034	10	10	0						10		
(765) Abbott CELL-DYN Ruby		0,358	0,008	2,5	9	0						9		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO1/22 - Blood Count

Deadline: 11.03.2022

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(163) Eosinophils	f.10(exp9)/L]				166								166	162	98%
Samples and groups															
Sample A		0,332	0,028	8,3	166		CVP	0,332	,0053	50%	0,166	0,498	166	165	99%
(771) MINDRAY BC 6xxx series		0,335	0,007	2,2	6	0							6		
(772) Sysmex XN series		0,334	0,024	7,2	103	0							103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,316	0,023	7,4	11	0							11		
Other					10	0							10		

Sample B		0,057	0,013	22	166		CVP	0,057	,0024	asym.	0	0,124	166	163	98%
(718) Beckman Coulter AcT series, DxH 500 series		0,065	0,007	11	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		0,065	0,014	21	11	0							11		
(749) Sysmex XE, XS, XT series		0,052	0,012	22	10	0							10		
(765) Abbott CELL-DYN Ruby		0,053	0,015	28	9	0							9		
(771) MINDRAY BC 6xxx series		0,055	0,007	13	6	0							6		
(772) Sysmex XN series		0,056	0,01	18	103	0							103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,071	0,033	47	11	0							11		
Other					10	0							10		

(164) Basophiles	f.10(exp9)/L]				166								166	161	97%
Samples and groups															
Sample A		0,052	0,018	35	166		CVP	0,052	,0035	asym.	0	0,107	166	162	98%
(718) Beckman Coulter AcT series, DxH 500 series		0,005	0,007	150	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		0,052	0,019	37	11	0							11		
(749) Sysmex XE, XS, XT series		0,040	0,017	42	10	0							10		
(765) Abbott CELL-DYN Ruby		0,093	0,013	14	9	0							9		
(771) MINDRAY BC 6xxx series		0,050	0,015	30	6	0							6		
(772) Sysmex XN series		0,056	0,012	22	103	0							103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,013	0,019	150	11	0							11		
Other					10	0							10		

Sample B		0,053	0,019	36	166		CVP	0,053	,0036	asym.	0	0,124	166	161	97%
(718) Beckman Coulter AcT series, DxH 500 series		0,005	0,007	150	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		0,041	0,015	37	11	0							11		
(749) Sysmex XE, XS, XT series		0,045	0,013	29	10	0							10		
(765) Abbott CELL-DYN Ruby		0,094	0,005	5,6	9	0							9		
(771) MINDRAY BC 6xxx series		0,050	0,015	30	6	0							6		
(772) Sysmex XN series		0,056	0,012	22	103	0							103		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,013	0,016	130	11	0							11		
Other					10	0							10		

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End of report

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