

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/22 - Blood Count

Deadline: 09.09.2022

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					Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(150) WBC					157							157	154	98%
— Samples and groups	r.10(exp9)/L]													
Sample A		5,51	0,19	3,5	157	CVP	5,51	0,038	15%	4,68	6,34	157	155	99%
(718) Beckman Coulter AcT series, DxH 500 series		5,05	0,37	7,3	8	0						8		
(737) Siemens Advia 120, 2120, 2120i		5,38	0,23	4,2	12	0						12		
(749) Sysmex XE, XS, XT series		5,53	0,21	3,9	10	0						10		
(755) Sysmex KX series		5,54	0,16	2,9	21	0						21		
(765) Abbott CELL-DYN Ruby		5,42	0,17	3,1	6	0						6		
(771) MINDRAY BC 6xxx series		5,59	0,17	3,0	10	0						10		
(772) Sysmex XN series		5,58	0,13	2,3	68	0						68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,30	0,15	2,8	8	0						8		
Other					14	0						14		
							2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999					157	156	99%
Sample B		6,82	0,23	3,3	157	CVP	6,82	0,045	15%	5,79	7,85	157	156	99%
(718) Beckman Coulter AcT series, DxH 500 series		6,35	0,37	5,8	8	0						8		
(737) Siemens Advia 120, 2120, 2120i		6,56	0,28	4,3	12	0						12		
(749) Sysmex XE, XS, XT series		6,99	0,41	5,9	10	0						10		
(755) Sysmex KX series		6,88	0,16	2,3	21	1						21		
(765) Abbott CELL-DYN Ruby		6,83	0,11	1,6	6	0						6		
(771) MINDRAY BC 6xxx series		6,89	0,15	2,1	10	0						10		
(772) Sysmex XN series		6,90	0,13	1,9	68	0						68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		6,65	0,22	3,3	8	0						8		
Other					14	0						14		
							2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999					157	151	96%
(151) RBC					157							157	151	96%
— Samples and groups	r.10(exp12)/L]													
Sample A		3,82	0,066	1,7	157	CVP	3,82	0,013	7%	3,55	4,09	157	153	97%
(718) Beckman Coulter AcT series, DxH 500 series		3,85	0,030	7,7	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		3,88	0,064	1,6	12	0						12		
(749) Sysmex XE, XS, XT series		3,85	0,045	1,2	10	0						10		
(755) Sysmex KX series		3,85	0,058	1,5	21	0						21		
(765) Abbott CELL-DYN Ruby		3,85	0,089	2,3	6	0						6		
(771) MINDRAY BC 6xxx series		3,80	0,084	2,2	10	0						10		
(772) Sysmex XN series		3,80	0,041	1,1	68	0						68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,83	0,052	1,4	9	0						9		
Other					14	0						14		
							2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999					157	154	98%
Sample B		4,69	0,071	1,5	157	CVP	4,69	0,014	7%	4,36	5,02	157	154	98%
(718) Beckman Coulter AcT series, DxH 500 series		4,66	0,15	3,2	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		4,72	0,031	0,65	12	0						12		
(749) Sysmex XE, XS, XT series		4,71	0,058	1,2	10	0						10		
(755) Sysmex KX series		4,70	0,059	1,2	21	1						21		
(765) Abbott CELL-DYN Ruby		4,76	0,088	1,8	6	0						6		
(771) MINDRAY BC 6xxx series		4,65	0,089	1,9	10	0						10		
(772) Sysmex XN series		4,67	0,058	1,2	68	0						68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,66	0,067	1,4	9	0						9		
Other					14	0						14		
							2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999					157	154	98%
(152) Haemoglobin					162							162	158	98%
— Samples and groups	[g/L]													
Sample A		113	1,9	1,7	162	CVP	113	0,36	6%	106	120	162	161	99%
(718) Beckman Coulter AcT series, DxH 500 series		115	2,3	2,0	7	0						7		
(737) Siemens Advia 120, 2120, 2120i		115	2,1	1,8	12	0						12		
(749) Sysmex XE, XS, XT series		112	1,9	1,7	10	0						10		
(755) Sysmex KX series		112	1,8	1,6	21	0						21		
(765) Abbott CELL-DYN Ruby		115	1,5	1,3	6	0						6		
(771) MINDRAY BC 6xxx series		113	1,6	1,4	10	0						10		
(772) Sysmex XN series		112	1,3	1,1	68	0						68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		113	1,4	1,2	9	0						9		
(999) another system		114	3,0	2,6	8	0						8		

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EQA round: KO5/22 - Blood Count

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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				
(152) Haemoglobin	[g/L]				162								162	158	98%
Samples and groups															
Sample A		113	1,9	1,7	162		CVP	113	0,36	6%	106	120	162	161	99%
Other					11	1							11		
2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768															
Sample B		136	2,1	1,6	162		CVP	136	0,41	6%	127	145	162	158	98%
(718) Beckman Coulter AcT series, DxH 500 series		138	2,2	1,6	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		137	1,8	1,3	12	0							12		
(749) Sysmex XE, XS, XT series		135	2,4	1,8	10	0							10		
(755) Sysmex KX series		135	2,3	1,7	21	1							21		
(765) Abbott CELL-DYN Ruby		137	3,0	2,2	6	0							6		
(771) MINDRAY BC 6xxx series		136	1,7	1,2	10	0							10		
(772) Sysmex XN series		135	1,7	1,3	68	0							68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		136	2,2	1,6	9	0							9		
(999) another system		138	1,7	1,2	8	0							8		
Other					11	1							11		
2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768															
(153) HCT	[-]				157								157	153	97%
Samples and groups															
Sample A		0,362	0,009	2,6	157		CVP	0,362	,0018	10%	0,325	0,399	157	155	99%
(718) Beckman Coulter AcT series, DxH 500 series		0,353	0,003	1,0	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		0,374	0,008	2,4	12	0							12		
(749) Sysmex XE, XS, XT series		0,361	0,002	0,75	10	0							10		
(755) Sysmex KX series		0,358	0,007	2,1	21	0							21		
(765) Abbott CELL-DYN Ruby		0,368	0,008	2,4	6	0							6		
(771) MINDRAY BC 6xxx series		0,355	0,007	2,2	10	0							10		
(772) Sysmex XN series		0,365	0,005	1,5	68	0							68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,353	0,007	2,1	9	0							9		
Other					14	1							14		
2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999															
Sample B		0,430	0,012	2,7	157		CVP	0,43	,0023	10%	0,387	0,473	157	153	97%
(718) Beckman Coulter AcT series, DxH 500 series		0,416	0,008	2,1	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		0,439	0,004	1,0	12	0							12		
(749) Sysmex XE, XS, XT series		0,429	0,002	0,63	10	0							10		
(755) Sysmex KX series		0,424	0,006	1,5	21	1							21		
(765) Abbott CELL-DYN Ruby		0,436	0,012	2,7	6	0							6		
(771) MINDRAY BC 6xxx series		0,422	0,009	2,2	10	0							10		
(772) Sysmex XN series		0,435	0,008	1,9	68	0							68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,418	0,008	2,1	9	0							9		
Other					14	1							14		
2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999															
(154) MCV	[fL]				157								157	154	98%
Samples and groups															
Sample A		94,6	2,4	2,6	157		CVP	94,6	0,48	10%	85,1	105	157	155	99%
(718) Beckman Coulter AcT series, DxH 500 series		91,6	0,96	1,1	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		96,1	1,7	1,8	12	0							12		
(749) Sysmex XE, XS, XT series		93,7	1,0	1,1	10	0							10		
(755) Sysmex KX series		93,1	1,5	1,6	21	0							21		
(765) Abbott CELL-DYN Ruby		95,1	0,52	0,55	6	0							6		
(771) MINDRAY BC 6xxx series		93,3	1,1	1,2	10	0							10		
(772) Sysmex XN series		96,2	1,2	1,3	68	0							68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		92,5	1,1	1,2	9	0							9		
Other					14	0							14		
2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999															
Sample B		91,7	2,2	2,4	157		CVP	91,7	0,43	10%	82,5	101	157	156	99%
(718) Beckman Coulter AcT series, DxH 500 series		88,5	0,82	0,92	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		93,2	1,2	1,3	12	0							12		
(749) Sysmex XE, XS, XT series		90,7	1,1	1,2	10	0							10		
(755) Sysmex KX series		90,0	1,5	1,6	21	1							21		
(765) Abbott CELL-DYN Ruby		91,6	0,67	0,73	6	0							6		
(771) MINDRAY BC 6xxx series		90,7	0,76	0,84	10	0							10		
(772) Sysmex XN series		93,1	1,3	1,4	68	0							68		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		90,1	1,3	1,5	9	0							9		
Other					14	0							14		
2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999															

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Test	[unit]						Comparability							N _{eva}	N _{suc}	S _{rel}
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL					
(155) Platelets																
Samples and groups	r.10(exp9)/L				157									157	153	97%
Sample A		218	11	5,0	157	CVP	218	2,1	20%	174	262		157	154	98%	
(718) Beckman Coulter AcT series, DxH 500 series		230	24	10	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		201	17	8,6	12	0							12			
(749) Sysmex XE, XS, XT series		220	9,4	4,3	10	0							10			
(755) Sysmex KX series		215	7,2	3,3	21	0							21			
(765) Abbott CELL-DYN Ruby		199	10	5,2	6	0							6			
(771) MINDRAY BC 6xxx series		220	9,2	4,2	10	0							10			
(772) Sysmex XN series		222	7,7	3,5	68	0							68			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		208	7,4	3,6	9	0							9			
Other					14	0							14			
							2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999									
Sample B		158	7,8	5,0	157	CVP	158	1,5	27%	115	201		157	156	99%	
(718) Beckman Coulter AcT series, DxH 500 series		153	16	10	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		144	16	11	12	0							12			
(749) Sysmex XE, XS, XT series		161	10	6,5	10	0							10			
(755) Sysmex KX series		157	5,6	3,6	21	1							21			
(765) Abbott CELL-DYN Ruby		144	8,9	6,2	6	0							6			
(771) MINDRAY BC 6xxx series		160	6,7	4,2	10	0							10			
(772) Sysmex XN series		160	5,0	3,1	68	0							68			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		152	3,0	2,0	9	0							9			
Other					14	0							14			
							2x 703, 1x 706, 2x 716, 2x 741, 1x 743, 1x 763, 2x 768, 3x 999									
(156) RDW					140								131	124	95%	
Samples and groups	[%]															
Sample A		15,6	0,51	3,3	140								131	126	96%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		14,4	0,59	4,1	5	0	CVPG	14,4	0,83	10%	12,9	15,9	5			
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		15,8	0,52	3,3	7	0	CVPG	16,1	0,36	10%	14,4	17,8	7			
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,4	0,30	1,8	9	0	CVPG	16,1	0,36	10%	14,4	17,8	9			
(63) Sysmex; (749) Sysmex XE, XS, XT series		16,1	0,33	2,0	10	0	CVPG	15,6	0,087	10%	14	17,2	10			
(63) Sysmex; (755) Sysmex KX series		15,0	0,28	1,9	11	1	CVPG	15,6	0,087	10%	14	17,2	11			
(63) Sysmex; (772) Sysmex XN series		15,6	0,23	1,5	65	3	CVPG	15,6	0,087	10%	14	17,2	65			
(177) Mindray; (771) MINDRAY BC 6xxx series		15,6	0,22	1,4	10	0	CVPG	15,6	0,17	10%	14	17,2	10			
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		15,0	0,42	2,8	12	0	CVPG	15,1	0,39	10%	13,5	16,7	12			
Other					11	0							2			
							1x 1/763, 2x 46/999, 2x 157/741, 1x 157/743, 1x 179/703, 2x 204/716, 1x 205/706, 1x 999/999									
Sample B		13,4	0,52	3,9	140								131	124	95%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		12,2	0,44	3,6	5	0	CVPG	12,3	0,83	10%	11	13,6	5			
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		14,0	0,44	3,2	7	0	CVPG	14	0,18	10%	12,6	15,4	7			
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		14,0	0,30	2,1	9	0	CVPG	14	0,18	10%	12,6	15,4	9			
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,9	0,34	2,4	10	0	CVPG	13,2	0,090	10%	11,8	14,6	10			
(63) Sysmex; (755) Sysmex KX series		12,6	0,110	0,88	11	2	CVPG	13,2	0,090	10%	11,8	14,6	11			
(63) Sysmex; (772) Sysmex XN series		13,2	0,22	1,7	65	3	CVPG	13,2	0,090	10%	11,8	14,6	65			
(177) Mindray; (771) MINDRAY BC 6xxx series		13,6	0,21	1,6	10	0	CVPG	13,6	0,16	10%	12,2	15	10			
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		13,3	0,43	3,2	12	0	CVPG	13,4	0,44	10%	12	14,8	12			
Other					11	0							2			
							1x 1/763, 2x 46/999, 2x 157/741, 1x 157/743, 1x 179/703, 2x 204/716, 1x 205/706, 1x 999/999									
(157) MPV					140								131	130	99%	
Samples and groups	[fL]															
Sample A		10,8	0,74	6,9	140								131	130	99%	
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		9,31	0,30	3,3	7	0	CVPG	9,25	0,22	18%	7,58	11	7			
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		9,15	0,37	4,1	9	0	CVPG	9,25	0,22	18%	7,58	11	9			
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,2	0,42	3,7	10	0	CVPG	11,1	0,078	18%	9,1	13,1	10			
(63) Sysmex; (755) Sysmex KX series		11,0	0,40	3,6	13	0	CVPG	11,1	0,078	18%	9,1	13,1	13			
(63) Sysmex; (772) Sysmex XN series		11,1	0,23	2,1	65	0	CVPG	11,1	0,078	18%	9,1	13,1	65			
(177) Mindray; (771) MINDRAY BC 6xxx series		11,1	0,42	3,8	10	0	CVPG	11,1	0,33	18%	9,1	13,1	10			

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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}		
(157) MPV	[fL]				140							131	130	99%		
Samples and groups																
Sample A		10,8	0,74	6,9	140							131	130	99%		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		11,0	0,68	6,2	11	0	CVPG	10,8	0,59	18%	8,85	12,8		11		
Other					15	0							6			
								1x 1/763, 4x 1/765, 2x 46/999, 2x 157/741, 1x 157/743, 1x 179/703, 2x 204/716, 1x 205/706, 1x 999/999								
Sample B		9,86	0,77	7,8	140							131	130	99%		
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		8,61	0,73	8,5	7	0	CVPG	8,46	0,33	18%	6,93	9,99		7		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		8,35	0,37	4,4	9	0	CVPG	8,46	0,33	18%	6,93	9,99		9		
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,3	0,50	4,8	10	0	CVPG	10,1	0,10	18%	8,28	12		10		
(63) Sysmex; (755) Sysmex KX series		10,2	0,46	4,5	13	0	CVPG	10,1	0,10	18%	8,28	12		13		
(63) Sysmex; (772) Sysmex XN series		10,1	0,37	3,6	65	0	CVPG	10,1	0,10	18%	8,28	12		65		
(177) Mindray; (771) MINDRAY BC 6xxx series		10,2	0,49	4,8	10	0	CVPG	10,2	0,38	18%	8,36	12,1		10		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		10,1	0,85	8,4	11	0	CVPG	10	0,69	18%	8,2	11,8		11		
Other					15	0							6			
								1x 1/763, 4x 1/765, 2x 46/999, 2x 157/741, 1x 157/743, 1x 179/703, 2x 204/716, 1x 205/706, 1x 999/999								
(158) PDW [%]	[%]				20							12	9	75%		
Samples and groups																
Sample A		27,9	19	69	20							12	10	83%		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		17,0	0,074	0,44	5	0	CVPG	16,8	0,41	15%	14,2	19,4		5		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		53,7	1,5	2,8	5	0	CVPG	53	3,5	15%	45	61		5		
Other					10	0							2			
								1x 12/718, 2x 46/999, 2x 157/741, 1x 157/743, 1x 179/703, 1x 204/716, 1x 205/706, 1x 999/999								
Sample B		26,9	18	67	20							12	9	75%		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,9	0,074	0,44	5	0	CVPG	16,8	0,21	15%	14,2	19,4		5		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		50,3	3,0	5,9	5	0	CVPG	50,2	4,5	15%	42,6	57,8		5		
Other					10	0							2			
								1x 12/718, 2x 46/999, 2x 157/741, 1x 157/743, 1x 179/703, 1x 204/716, 1x 205/706, 1x 999/999								
(165) PDW [fL]	[fL]				87							86	80	93%		
Samples and groups																
Sample A		13,2	0,74	5,6	87							86	83	97%		
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,3	0,76	5,7	10	0	CVPG	13,2	0,19	15%	11,2	15,2		10		
(63) Sysmex; (755) Sysmex KX series		14,1	0,71	5,1	12	0	CVPG	13,2	0,19	15%	11,2	15,2		12		
(63) Sysmex; (772) Sysmex XN series		13,0	0,62	4,8	64	0	CVPG	13,2	0,19	15%	11,2	15,2		64		
Other					1	0							0			
								1x 204/716								
Sample B		11,8	1,2	9,9	87							86	81	94%		
(63) Sysmex; (749) Sysmex XE, XS, XT series		12,4	1,3	11	10	0	CVPG	11,8	0,30	15%	10	13,6		10		
(63) Sysmex; (755) Sysmex KX series		13,2	0,74	5,6	12	0	CVPG	11,8	0,30	15%	10	13,6		12		
(63) Sysmex; (772) Sysmex XN series		11,5	0,91	8,0	64	0	CVPG	11,8	0,30	15%	10	13,6		64		
Other					1	0							0			
								1x 204/716								
(166) PDW [-]	[-]				14							10	10	100%		
Samples and groups																
Sample A		16,4	0,90	5,5	14							10	10	100%		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,2	0,11	0,69	10	0	CVPG	16,2	0,086	15%	13,7	18,7		10		
Other					4	0							0			
								1x 1/763, 3x 1/765								
Sample B		16,4	0,78	4,8	14							10	10	100%		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,1	0,13	0,81	10	0	CVPG	16,1	0,10	15%	13,6	18,6		10		
Other					4	0							0			
								1x 1/763, 3x 1/765								
(160) Neutrophiles	1.10(exp9)/L]				121							121	118	98%		
Samples and groups																
Sample A		1,75	0,096	5,5	121		CVP	1,75	0,022	25%	1,31	2,19		121	118	98%
(718) Beckman Coulter AcT series, DxH 500 series		1,66	0,082	4,9	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		1,88	0,12	6,2	11	0							11			
(749) Sysmex XE, XS, XT series		1,81	0,071	3,9	10	0							10			
(771) MINDRAY BC 6xxx series		1,89	0,13	6,7	8	0							8			

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/22 - Blood Count

Deadline: 09.09.2022

Test	[unit]						Comparability						N _{eva}	N _{suc}	S _{rel}
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL				
(160) Neutrophiles	f.10(exp9)/L]				121								121	118	98%
Samples and groups															
Sample A		1,75	0,096	5,5	121	CVP	1,75	0,022	25%	1,31	2,19	121	118	98%	
(772) Sysmex XN series		1,74	0,059	3,4	65	0						65			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,75	0,074	4,2	9	0						9			
Other					11	1						11			

Sample B		3,41	0,15	4,5	121	CVP	3,41	0,035	25%	2,55	4,27	121	120	99%	
(718) Beckman Coulter AcT series, DxH 500 series		3,20	0,14	4,4	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		3,42	0,24	6,9	11	0						11			
(749) Sysmex XE, XS, XT series		3,50	0,18	5,2	10	0						10			
(771) MINDRAY BC 6xxx series		3,59	0,037	1,0	8	0						8			
(772) Sysmex XN series		3,42	0,093	2,7	65	0						65			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,43	0,19	5,6	9	0						9			
Other					11	0						11			

(161) Lymphocytes	f.10(exp9)/L]				123								123	120	98%
Samples and groups															
Sample A		3,28	0,15	4,5	123	CVP	3,28	0,033	25%	2,46	4,1	123	121	98%	
(718) Beckman Coulter AcT series, DxH 500 series		2,99	0,16	5,5	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		3,04	0,19	6,3	11	0						11			
(749) Sysmex XE, XS, XT series		3,29	0,16	4,9	11	0						11			
(771) MINDRAY BC 6xxx series		3,35	0,082	2,4	8	0						8			
(772) Sysmex XN series		3,33	0,088	2,6	64	0						64			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,14	0,065	2,1	9	0						9			
Other					13	1						13			

Sample B		2,52	0,13	5,2	123	CVP	2,52	0,029	25%	1,89	3,15	123	120	98%	
(718) Beckman Coulter AcT series, DxH 500 series		2,50	0,18	7,1	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		2,25	0,11	5,1	11	0						11			
(749) Sysmex XE, XS, XT series		2,58	0,15	5,6	11	0						11			
(771) MINDRAY BC 6xxx series		2,51	0,059	2,4	8	0						8			
(772) Sysmex XN series		2,56	0,068	2,6	64	0						64			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,35	0,074	3,2	9	0						9			
Other					13	1						13			

(162) Monocytes	f.10(exp9)/L]				121								121	117	97%
Samples and groups															
Sample A		0,330	0,074	22	121	CVP	0,33	0,017	50%	0,165	0,495	121	119	98%	
(718) Beckman Coulter AcT series, DxH 500 series		0,285	0,082	29	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		0,244	0,027	11	11	0						11			
(749) Sysmex XE, XS, XT series		0,317	0,068	21	10	0						10			
(771) MINDRAY BC 6xxx series		0,260	0,045	17	8	0						8			
(772) Sysmex XN series		0,369	0,048	13	65	0						65			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,291	0,013	4,6	9	0						9			
Other					11	0						11			

Sample B		0,544	0,069	13	121	CVP	0,544	0,015	50%	0,272	0,816	121	118	98%	
(718) Beckman Coulter AcT series, DxH 500 series		0,420	0,12	28	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		0,523	0,086	16	11	0						11			
(749) Sysmex XE, XS, XT series		0,601	0,044	7,3	10	0						10			
(771) MINDRAY BC 6xxx series		0,450	0,03	6,6	8	0						8			
(772) Sysmex XN series		0,572	0,033	5,8	65	0						65			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,465	0,052	11	9	0						9			
Other					11	0						11			

(163) Eosinophils	f.10(exp9)/L]				121								121	116	96%
Samples and groups															
Sample A		0,086	0,015	17	121	CVP	0,086	,0033	50%	0,043	0,129	121	116	96%	
(718) Beckman Coulter AcT series, DxH 500 series		0,095	0,022	23	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		0,072	0,012	17	11	0						11			
(749) Sysmex XE, XS, XT series		0,084	0,012	15	10	0						10			
(771) MINDRAY BC 6xxx series		0,095	0,007	7,8	8	0						8			
(772) Sysmex XN series		0,087	0,014	16	65	0						65			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,095	0,007	7,8	9	0						9			

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/22 - Blood Count

Deadline: 09.09.2022

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability								
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(163) Eosinophils	f.10(exp9)/L]				121							121	116	96%	
Samples and groups															
Sample A		0,086	0,015	17	121		CVP	0,086	,0033	50%	0,043	0,129	121	116	96%
Other					11	0							11		
2x 703, 1x 716, 1x 763, 4x 765, 1x 768, 2x 999															
Sample B		0,287	0,022	7,5	121		CVP	0,287	,0048	50%	0,143	0,431	121	120	99%
(718) Beckman Coulter AcT series, DxH 500 series		0,310	0,03	9,6	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		0,231	0,047	20	11	0							11		
(749) Sysmex XE, XS, XT series		0,287	0,016	5,6	10	0							10		
(771) MINDRAY BC 6xxx series		0,290	0,03	10	8	0							8		
(772) Sysmex XN series		0,287	0,02	7,0	65	0							65		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,295	0,007	2,5	9	0							9		
Other					11	0							11		
2x 703, 1x 716, 1x 763, 4x 765, 1x 768, 2x 999															
(164) Basophiles	f.10(exp9)/L]				121							121	120	99%	
Samples and groups															
Sample A		0,055	0,028	51	121		CVP	0,055	,0063	asym.	0	0,166	121	120	99%
(718) Beckman Coulter AcT series, DxH 500 series		0,020	0,015	74	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		0,083	0,021	25	11	0							11		
(749) Sysmex XE, XS, XT series		0,045	0,027	60	10	0							10		
(771) MINDRAY BC 6xxx series		0,045	0,037	82	8	0							8		
(772) Sysmex XN series		0,059	0,014	24	65	0							65		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,015	0,022	150	9	0							9		
Other					11	0							11		
2x 703, 1x 716, 1x 763, 4x 765, 1x 768, 2x 999															
Sample B		0,049	0,021	43	121		CVP	0,049	,0047	asym.	0	0,205	121	121	100%
(718) Beckman Coulter AcT series, DxH 500 series		0,020	0,015	74	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		0,087	0,033	38	11	0							11		
(749) Sysmex XE, XS, XT series		0,028	0,013	46	10	0							10		
(771) MINDRAY BC 6xxx series		0,045	0,022	49	8	0							8		
(772) Sysmex XN series		0,052	0,013	24	65	0							65		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,030	0,045	150	9	0							9		
Other					11	0							11		
2x 703, 1x 716, 1x 763, 4x 765, 1x 768, 2x 999															

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End of report

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