

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO6/22 - Blood Count

Deadline: 23.09.2022

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							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(150) WBC					190							190	189	99%
— Samples and groups	r.10(exp9)/L]													
Sample A		4,71	0,21	4,5	190	CVP	4,71	0,038	15%	4	5,42	190	189	99%
(702) Abbott CELL-DYN Emerald		4,58	0,21	4,6	13	0						13		
(737) Siemens Advia 120, 2120, 2120i		4,41	0,11	2,5	8	0						8		
(749) Sysmex XE, XS, XT series		4,75	0,17	3,6	9	0						9		
(755) Sysmex KX series		4,75	0,22	4,7	8	0						8		
(763) Abbott Alinity, CELL-DYN Sapphire		4,61	0,19	4,0	7	0						7		
(765) Abbott CELL-DYN Ruby		4,29	0,25	5,8	18	0						18		
(771) MINDRAY BC 6xxx series		4,87	0,14	2,9	14	0						14		
(772) Sysmex XN series		4,83	0,11	2,2	85	0						85		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,57	0,18	3,9	14	0						14		
(999) another system		4,75	0,074	1,6	5	0						5		
Other					9	0						9		
							3x 741, 1x 744, 1x 766, 4x 768							
Sample B		5,24	0,17	3,3	190	CVP	5,24	0,031	15%	4,45	6,03	190	190	100%
(702) Abbott CELL-DYN Emerald		5,13	0,19	3,7	13	0						13		
(737) Siemens Advia 120, 2120, 2120i		5,02	0,17	3,4	8	0						8		
(749) Sysmex XE, XS, XT series		5,23	0,19	3,7	9	0						9		
(755) Sysmex KX series		5,25	0,22	4,2	8	0						8		
(763) Abbott Alinity, CELL-DYN Sapphire		5,38	0,29	5,4	7	0						7		
(765) Abbott CELL-DYN Ruby		5,08	0,26	5,0	18	0						18		
(771) MINDRAY BC 6xxx series		5,35	0,17	3,2	14	0						14		
(772) Sysmex XN series		5,32	0,097	1,8	85	0						85		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,97	0,16	3,3	14	0						14		
(999) another system		5,25	0,074	1,4	5	0						5		
Other					9	0						9		
							3x 741, 1x 744, 1x 766, 4x 768							
(151) RBC					190							190	189	99%
— Samples and groups	r.10(exp12)/L]													
Sample A		3,85	0,065	1,7	190	CVP	3,85	0,012	7%	3,58	4,12	190	189	99%
(702) Abbott CELL-DYN Emerald		3,77	0,088	2,3	13	0						13		
(737) Siemens Advia 120, 2120, 2120i		3,94	0,059	1,5	8	0						8		
(749) Sysmex XE, XS, XT series		3,89	0,045	1,1	9	0						9		
(755) Sysmex KX series		3,88	0,052	1,3	8	0						8		
(763) Abbott Alinity, CELL-DYN Sapphire		3,88	0,067	1,7	7	0						7		
(765) Abbott CELL-DYN Ruby		3,89	0,076	1,9	18	0						18		
(771) MINDRAY BC 6xxx series		3,87	0,069	1,8	14	0						14		
(772) Sysmex XN series		3,84	0,047	1,2	85	0						85		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,85	0,069	1,8	14	0						14		
(999) another system		3,80	0,0070	1,9	5	0						5		
Other					9	0						9		
							3x 741, 1x 744, 1x 766, 4x 768							
Sample B		4,31	0,068	1,6	190	CVP	4,31	0,012	7%	4	4,62	190	189	99%
(702) Abbott CELL-DYN Emerald		4,23	0,11	2,6	13	0						13		
(737) Siemens Advia 120, 2120, 2120i		4,37	0,082	1,9	8	0						8		
(749) Sysmex XE, XS, XT series		4,31	0,0270	0,62	9	0						9		
(755) Sysmex KX series		4,31	0,049	1,1	8	0						8		
(763) Abbott Alinity, CELL-DYN Sapphire		4,34	0,052	1,2	7	0						7		
(765) Abbott CELL-DYN Ruby		4,34	0,055	1,3	18	0						18		
(771) MINDRAY BC 6xxx series		4,32	0,064	1,5	14	0						14		
(772) Sysmex XN series		4,30	0,052	1,2	85	0						85		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,27	0,082	1,9	14	0						14		
(999) another system		4,25	0,074	1,7	5	0						5		
Other					9	0						9		
							3x 741, 1x 744, 1x 766, 4x 768							
(152) Haemoglobin					194							194	194	100%
— Samples and groups	[g/L]													
Sample A		123	2,0	1,6	194	CVP	123	0,35	6%	115	131	194	194	100%
(702) Abbott CELL-DYN Emerald		124	1,9	1,5	13	0						13		
(737) Siemens Advia 120, 2120, 2120i		125	1,5	1,2	8	0						8		

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EQA round: KO6/22 - Blood Count

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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				
(152) Haemoglobin	[g/L]				194								194	194	100%
Samples and groups															
Sample A		123	2,0	1,6	194	CVP	123	0,35	6%	115	131	194	194	100%	
(749) Sysmex XE, XS, XT series		123	0,74	0,61	9	0						9			
(755) Sysmex KX series		122	1,5	1,2	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		123	3,0	2,4	7	0						7			
(765) Abbott CELL-DYN Ruby		125	2,6	2,1	18	0						18			
(771) MINDRAY BC 6xxx series		123	1,5	1,2	14	0						14			
(772) Sysmex XN series		122	1,4	1,1	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		122	1,5	1,2	14	0						14			
(999) another system		123	2,2	1,8	9	0						9			
Other					9	0						9			
3x 741, 1x 744, 1x 766, 4x 768															
Sample B		129	2,0	1,6	194	CVP	129	0,35	6%	121	137	194	194	100%	
(702) Abbott CELL-DYN Emerald		130	2,2	1,7	13	0						13			
(737) Siemens Advia 120, 2120, 2120i		132	2,2	1,7	8	0						8			
(749) Sysmex XE, XS, XT series		129	1,5	1,1	9	0						9			
(755) Sysmex KX series		127	2,4	1,9	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		130	3,0	2,3	7	0						7			
(765) Abbott CELL-DYN Ruby		130	2,2	1,7	18	0						18			
(771) MINDRAY BC 6xxx series		130	1,5	1,2	14	0						14			
(772) Sysmex XN series		128	1,4	1,1	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		127	1,7	1,4	14	0						14			
(999) another system		130	3,7	2,9	9	0						9			
Other					9	0						9			
3x 741, 1x 744, 1x 766, 4x 768															
(153) HCT	[-]				190								190	189	99%
Samples and groups															
Sample A		0,382	0,011	2,7	190	CVP	0,382	,0019	10%	0,343	0,421	190	189	99%	
(702) Abbott CELL-DYN Emerald		0,368	0,014	3,7	13	0						13			
(737) Siemens Advia 120, 2120, 2120i		0,400	0,015	3,7	8	0						8			
(749) Sysmex XE, XS, XT series		0,386	0,006	1,7	9	0						9			
(755) Sysmex KX series		0,377	0,005	1,6	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		0,385	0,008	2,1	7	0						7			
(765) Abbott CELL-DYN Ruby		0,390	0,013	3,2	18	0						18			
(771) MINDRAY BC 6xxx series		0,377	0,005	1,5	14	0						14			
(772) Sysmex XN series		0,385	0,006	1,6	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,373	0,006	1,7	14	0						14			
(999) another system		0,370	0,015	4,0	5	1						5			
Other					9	0						9			
3x 741, 1x 744, 1x 766, 4x 768															
Sample B		0,422	0,013	3,2	190	CVP	0,422	,0024	10%	0,379	0,465	190	189	99%	
(702) Abbott CELL-DYN Emerald		0,400	0,014	3,4	13	0						13			
(737) Siemens Advia 120, 2120, 2120i		0,441	0,019	4,2	8	0						8			
(749) Sysmex XE, XS, XT series		0,423	0,002	0,52	9	0						9			
(755) Sysmex KX series		0,417	0,006	1,6	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		0,416	0,005	1,4	7	0						7			
(765) Abbott CELL-DYN Ruby		0,427	0,011	2,5	18	0						18			
(771) MINDRAY BC 6xxx series		0,415	0,006	1,5	14	0						14			
(772) Sysmex XN series		0,429	0,007	1,8	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,406	0,007	1,8	14	0						14			
(999) another system		0,409	0,017	4,2	5	1						5			
Other					9	0						9			
3x 741, 1x 744, 1x 766, 4x 768															
(154) MCV	[fL]				190								190	188	99%
Samples and groups															
Sample A		99,2	2,3	2,3	190	CVP	99,2	0,41	10%	89,2	110	190	189	99%	
(702) Abbott CELL-DYN Emerald		97,6	0,84	0,87	13	0						13			
(737) Siemens Advia 120, 2120, 2120i		101	2,1	2,0	8	0						8			
(749) Sysmex XE, XS, XT series		99,8	1,9	1,9	9	0						9			
(755) Sysmex KX series		97,1	2,2	2,3	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		99,5	0,82	0,82	7	0						7			
(765) Abbott CELL-DYN Ruby		100	2,7	2,7	18	0						18			
(771) MINDRAY BC 6xxx series		97,6	1,3	1,3	14	0						14			
(772) Sysmex XN series		100	1,3	1,3	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		96,8	0,49	0,50	14	0						14			
(999) another system		95,5	0,74	0,78	5	0						5			

Summary statistics - quantitative results

(Groups: system)

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EQA round: KO6/22 - Blood Count

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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				
(154) MCV					190								190	188	99%
Samples and groups		[fL]													
Sample A		99,2	2,3	2,3	190	CVP	99,2	0,41	10%	89,2	110	190	189	99%	
Other					9	0						9			
						3x 741, 1x 744, 1x 766, 4x 768									
Sample B		97,9	2,8	2,9	190	CVP	97,9	0,50	10%	88,1	108	190	188	99%	
(702) Abbott CELL-DYN Emerald		94,4	1,3	1,4	13	0						13			
(737) Siemens Advia 120, 2120, 2120i		100	2,4	2,4	8	0						8			
(749) Sysmex XE, XS, XT series		98,9	2,0	2,0	9	0						9			
(755) Sysmex KX series		96,3	1,7	1,8	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		96,8	2,3	2,4	7	0						7			
(765) Abbott CELL-DYN Ruby		98,5	2,7	2,8	18	0						18			
(771) MINDRAY BC 6xxx series		96,1	1,2	1,3	14	0						14			
(772) Sysmex XN series		99,6	1,3	1,3	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		95,1	0,520	0,55	14	0						14			
(999) another system		94,5	0,740	0,78	5	0						5			
Other					9	0						9			
						3x 741, 1x 744, 1x 766, 4x 768									
(155) Platelets					190							190	188	99%	
Samples and groups		[·10(exp9)/L]													
Sample A		251	11	4,4	190	CVP	251	2,0	20%	200	302	190	189	99%	
(702) Abbott CELL-DYN Emerald		246	20	8,0	13	0						13			
(737) Siemens Advia 120, 2120, 2120i		257	25	9,8	8	0						8			
(749) Sysmex XE, XS, XT series		251	10	4,1	9	0						9			
(755) Sysmex KX series		257	5,2	2,0	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		252	13	5,0	7	0						7			
(765) Abbott CELL-DYN Ruby		241	11	4,4	18	0						18			
(771) MINDRAY BC 6xxx series		260	9,9	3,8	14	0						14			
(772) Sysmex XN series		252	8,4	3,3	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		249	12	4,9	14	0						14			
(999) another system		249	1,50	0,60	5	0						5			
Other					9	0						9			
						3x 741, 1x 744, 1x 766, 4x 768									
Sample B		236	12	5,2	190	CVP	236	2,2	20%	188	284	190	188	99%	
(702) Abbott CELL-DYN Emerald		226	15	6,7	13	0						13			
(737) Siemens Advia 120, 2120, 2120i		228	19	8,1	8	0						8			
(749) Sysmex XE, XS, XT series		236	13	5,4	9	0						9			
(755) Sysmex KX series		229	5,9	2,6	8	0						8			
(763) Abbott Alinity, CELL-DYN Sapphire		230	14	6,1	7	0						7			
(765) Abbott CELL-DYN Ruby		224	10	4,5	18	0						18			
(771) MINDRAY BC 6xxx series		243	10	4,2	14	0						14			
(772) Sysmex XN series		241	6,9	2,9	85	0						85			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		227	14	6,2	14	0						14			
(999) another system		225	3,7	1,7	5	0						5			
Other					9	0						9			
						3x 741, 1x 744, 1x 766, 4x 768									
(156) RDW					167							161	159	99%	
Samples and groups		[%]													
Sample A		13,6	0,34	2,5	167							161	160	99%	
(1) Abbott; (702) Abbott CELL-DYN Emerald		13,3	1,0	7,8	8	0	CVPG	13,2	0,30	10%	11,8	14,6	8		
(1) Abbott; (763) Abbott Alinity, CELL-DYN Sapphire		13,3	0,74	5,6	6	0	CVPG	13,2	0,30	10%	11,8	14,6	6		
(1) Abbott; (765) Abbott CELL-DYN Ruby		13,1	0,54	4,1	17	0	CVPG	13,2	0,30	10%	11,8	14,6	17		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		14,6	0,24	1,7	14	0	CVPG	14,6	0,16	10%	13,1	16,1	14		
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,8	0,15	1,1	7	0	CVPG	13,6	0,040	10%	12,2	15	7		
(63) Sysmex; (772) Sysmex XN series		13,6	0,15	1,1	81	0	CVPG	13,6	0,040	10%	12,2	15	81		
(177) Mindray; (771) MINDRAY BC 6xxx series		13,4	0,43	3,2	13	0	CVPG	13,4	0,33	10%	12	14,8	13		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		13,7	0,44	3,2	7	0	CVPG	13,7	0,43	10%	12,3	15,1	7		
Other					14	1						8			
						4x 63/755, 3x 157/741, 1x 157/744, 1x 177/766, 3x 177/768, 1x 204/999, 1x 999/999									
Sample B		14,5	0,46	3,2	167							161	159	99%	
(1) Abbott; (702) Abbott CELL-DYN Emerald		14,0	1,9	13	8	0	CVPG	14	0,30	10%	12,6	15,4	8		
(1) Abbott; (763) Abbott Alinity, CELL-DYN Sapphire		14,0	0,48	3,4	6	0	CVPG	14	0,30	10%	12,6	15,4	6		
(1) Abbott; (765) Abbott CELL-DYN Ruby		14,1	0,54	3,8	17	0	CVPG	14	0,30	10%	12,6	15,4	17		

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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					
(156) RDW					167								161	159	99%	
Samples and groups	[%]															
Sample B		14,5	0,46	3,2	167								161	159	99%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,1	0,35	2,2	14	0	CVPG	16,1	0,23	10%	14,4	17,8		14		
(63) Sysmex; (749) Sysmex XE, XS, XT series		15,0	0,15	0,99	7	0	CVPG	14,5	0,041	10%	13	16		7		
(63) Sysmex; (772) Sysmex XN series		14,5	0,14	0,96	81	0	CVPG	14,5	0,041	10%	13	16		81		
(177) Mindray; (771) MINDRAY BC 6xxx series		14,7	0,28	1,9	13	0	CVPG	14,6	0,27	10%	13,1	16,1		13		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		14,2	0,59	4,2	7	0	CVPG	14,2	0,58	10%	12,7	15,7		7		
Other					14	1								8		
								4x 63/755, 3x 157/741, 1x 157/744, 1x 177/766, 3x 177/768, 1x 204/999, 1x 999/999								
(157) MPV					170								164	161	98%	
Samples and groups	[fL]															
Sample A		9,65	1,1	11	170								164	161	98%	
(1) Abbott; (702) Abbott CELL-DYN Emerald		7,75	0,67	8,6	8	0	CVPG	7,17	0,40	18%	5,87	8,47		8		
(1) Abbott; (763) Abbott Alinity, CELL-DYN Sapphire		8,50	1,9	22	5	0	CVPG	7,17	0,40	18%	5,87	8,47		5		
(1) Abbott; (765) Abbott CELL-DYN Ruby		6,65	0,63	9,4	17	0	CVPG	7,17	0,40	18%	5,87	8,47		17		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		8,61	0,22	2,6	14	0	CVPG	8,61	0,14	18%	7,06	10,2		14		
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,5	0,59	5,6	7	0	CVPG	10,3	0,060	18%	8,44	12,2		7		
(63) Sysmex; (755) Sysmex KX series		9,85	0,22	2,3	5	0	CVPG	10,3	0,060	18%	8,44	12,2		5		
(63) Sysmex; (772) Sysmex XN series		10,3	0,22	2,1	82	0	CVPG	10,3	0,060	18%	8,44	12,2		82		
(177) Mindray; (771) MINDRAY BC 6xxx series		10,1	0,32	3,2	14	0	CVPG	9,94	0,24	18%	8,15	11,8		14		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		10,4	1,0	10	7	0	CVPG	10,4	1,0	18%	8,52	12,3		7		
Other					11	0								5		
								3x 157/741, 1x 157/744, 1x 177/766, 4x 177/768, 1x 204/999, 1x 999/999								
Sample B		10,8	1,2	11	170								164	161	98%	
(1) Abbott; (702) Abbott CELL-DYN Emerald		8,60	0,74	8,6	8	0	CVPG	8,2	0,44	18%	6,72	9,68		8		
(1) Abbott; (763) Abbott Alinity, CELL-DYN Sapphire		9,53	1,7	18	5	0	CVPG	8,2	0,44	18%	6,72	9,68		5		
(1) Abbott; (765) Abbott CELL-DYN Ruby		7,68	0,80	10	17	0	CVPG	8,2	0,44	18%	6,72	9,68		17		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		9,87	0,33	3,4	14	0	CVPG	9,87	0,22	18%	8,09	11,7		14		
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,7	0,67	5,7	7	0	CVPG	11,5	0,059	18%	9,43	13,6		7		
(63) Sysmex; (755) Sysmex KX series		11,4	0,22	2,0	5	0	CVPG	11,5	0,059	18%	9,43	13,6		5		
(63) Sysmex; (772) Sysmex XN series		11,5	0,22	1,9	82	0	CVPG	11,5	0,059	18%	9,43	13,6		82		
(177) Mindray; (771) MINDRAY BC 6xxx series		11,8	0,34	2,9	14	0	CVPG	11,6	0,29	18%	9,51	13,7		14		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		10,9	0,82	7,5	7	0	CVPG	10,9	0,79	18%	8,93	12,9		7		
Other					11	0								5		
								3x 157/741, 1x 157/744, 1x 177/766, 4x 177/768, 1x 204/999, 1x 999/999								
(158) PDW [%]					21								13	13	100%	
Samples and groups	[%]															
Sample A		17,6	0,91	5,2	21								13	13	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		17,3	0,19	1,1	13	0	CVPG	17,3	0,13	15%	14,7	19,9		13		
Other					8	0								0		
								3x 157/741, 4x 179/737, 1x 204/999								
Sample B		17,4	0,77	4,4	21								13	13	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		17,2	0,17	1,0	13	0	CVPG	17,2	0,12	15%	14,6	19,8		13		
Other					8	0								0		
								3x 157/741, 4x 179/737, 1x 204/999								
(165) PDW [fL]					91								91	89	98%	
Samples and groups	[fL]															
Sample A		11,6	0,62	5,3	91								91	89	98%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		12,8	1,6	13	7	0	CVPG	11,6	0,16	15%	9,86	13,4		7		
(63) Sysmex; (755) Sysmex KX series		12,6	0,44	3,5	5	0	CVPG	11,6	0,16	15%	9,86	13,4		5		
(63) Sysmex; (772) Sysmex XN series		11,5	0,58	5,0	79	0	CVPG	11,6	0,16	15%	9,86	13,4		79		
Sample B		14,4	0,72	5,0	91								91	90	99%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		15,5	1,6	10	7	0	CVPG	14,4	0,19	15%	12,2	16,6		7		
(63) Sysmex; (755) Sysmex KX series		14,5	0,74	5,1	5	0	CVPG	14,4	0,19	15%	12,2	16,6		5		
(63) Sysmex; (772) Sysmex XN series		14,4	0,71	4,9	79	0	CVPG	14,4	0,19	15%	12,2	16,6		79		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO6/22 - Blood Count

Deadline: 23.09.2022

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(166) PDW [-]					32								32	30	94%
Samples and groups	[-]														
Sample A		17,6	2,0	11	32								32	30	94%
(1) Abbott; (765) Abbott CELL-DYN Ruby		19,2	0,55	2,8	16	0	CVPG	19,1	0,39	15%	16,2	22	16		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,2	0,11	0,69	12	0	CVPG	16,1	0,079	15%	13,6	18,6	12		
Other					4	0							4		
								1x 1/702, 1x 1/763, 1x 177/766, 1x 177/768							
Sample B		18,0	2,4	14	32								32	30	94%
(1) Abbott; (765) Abbott CELL-DYN Ruby		19,9	0,78	3,9	16	0	CVPG	19,8	0,55	15%	16,8	22,8	16		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,2	0,13	0,82	12	0	CVPG	16,2	0,10	15%	13,7	18,7	12		
Other					4	0							4		
								1x 1/702, 1x 1/763, 1x 177/766, 1x 177/768							
(160) Neutrophiles					153								137	135	99%
Samples and groups	f.10(exp9)/L]														
Sample A		2,37	0,19	8,1	153								137	135	99%
(702) Abbott CELL-DYN Emerald		2,00	0,15	7,4	6	0	CVP	2,41	0,031	25%	1,8	3,02	6		
(737) Siemens Advia 120, 2120, 2120i		2,29	0,096	4,2	8	0	CVP	2,41	0,031	25%	1,8	3,02	8		
(749) Sysmex XE, XS, XT series		2,45	0,089	3,6	6	0	CVP	2,41	0,031	25%	1,8	3,02	6		
(763) Abbott Alinity, CELL-DYN Sapphire		2,25	0,17	7,7	7	0	CVP	2,41	0,031	25%	1,8	3,02	7		
(765) Abbott CELL-DYN Ruby		1,75	0,22	13	16	0	CVPG	1,75	0,14	25%	1,31	2,19	0		
(771) MINDRAY BC 6xxx series		2,60	0,075	2,9	14	1	CVP	2,41	0,031	25%	1,8	3,02	14		
(772) Sysmex XN series		2,45	0,094	3,8	79	0	CVP	2,41	0,031	25%	1,8	3,02	79		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,33	0,11	4,5	14	0	CVP	2,41	0,031	25%	1,8	3,02	14		
Other					3	0							3		
								1x 744, 1x 768, 1x 999							
Sample B		2,51	0,12	4,6	153		CVP	2,51	0,023	25%	1,88	3,14	153	152	99%
(702) Abbott CELL-DYN Emerald		2,35	0,074	3,2	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		2,43	0,082	3,4	8	0							8		
(749) Sysmex XE, XS, XT series		2,52	0,007	0,29	6	0							6		
(763) Abbott Alinity, CELL-DYN Sapphire		2,53	0,16	6,4	7	0							7		
(765) Abbott CELL-DYN Ruby		2,30	0,18	7,7	16	0							16		
(771) MINDRAY BC 6xxx series		2,69	0,084	3,1	14	0							14		
(772) Sysmex XN series		2,53	0,065	2,6	79	0							79		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,44	0,10	4,2	14	0							14		
Other					3	1							3		
								1x 744, 1x 768, 1x 999							
(161) Lymphocytes					154								154	153	99%
Samples and groups	f.10(exp9)/L]														
Sample A		1,78	0,097	5,4	154		CVP	1,78	0,019	25%	1,33	2,23	154	154	100%
(702) Abbott CELL-DYN Emerald		2,05	0,074	3,6	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		1,59	0,16	10	8	0							8		
(749) Sysmex XE, XS, XT series		1,73	0,059	3,4	7	0							7		
(763) Abbott Alinity, CELL-DYN Sapphire		1,80	0,048	2,7	7	0							7		
(765) Abbott CELL-DYN Ruby		1,93	0,11	5,5	16	0							16		
(771) MINDRAY BC 6xxx series		1,77	0,068	3,8	14	0							14		
(772) Sysmex XN series		1,76	0,067	3,8	78	0							78		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,73	0,082	4,7	14	0							14		
Other					4	0							4		
								1x 744, 1x 755, 1x 768, 1x 999							
Sample B		2,22	0,11	4,7	154		CVP	2,22	0,021	25%	1,66	2,78	154	153	99%
(702) Abbott CELL-DYN Emerald		2,26	0,088	3,9	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		2,03	0,10	5,1	8	0							8		
(749) Sysmex XE, XS, XT series		2,21	0,059	2,7	7	0							7		
(763) Abbott Alinity, CELL-DYN Sapphire		2,28	0,089	3,9	7	0							7		
(765) Abbott CELL-DYN Ruby		2,24	0,088	3,9	16	0							16		
(771) MINDRAY BC 6xxx series		2,24	0,11	5,1	14	0							14		
(772) Sysmex XN series		2,24	0,071	3,2	78	0							78		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,01	0,075	3,7	14	0							14		
Other					4	0							4		
								1x 744, 1x 755, 1x 768, 1x 999							
(162) Monocytes					153								153	150	98%
Samples and groups	f.10(exp9)/L]														
Sample A		0,395	0,053	13	153		CVP	0,395	0,011	50%	0,197	0,593	153	151	99%
(702) Abbott CELL-DYN Emerald		0,350	0,074	21	6	0							6		
(737) Siemens Advia 120, 2120, 2120i		0,340	0,045	13	8	0							8		
(749) Sysmex XE, XS, XT series		0,430	0,045	10	6	0							6		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO6/22 - Blood Count

Deadline: 23.09.2022

Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(162) Monocytes	f.10(exp9)/L]				153							153	150	98%
Samples and groups														
Sample A		0,395	0,053	13	153	CVP	0,395	0,011	50%	0,197	0,593	153	151	99%
(763) Abbott Alinity, CELL-DYN Sapphire		0,359	0,047	13	7	0								7
(765) Abbott CELL-DYN Ruby		0,378	0,031	8,3	16	0								16
(771) MINDRAY BC 6xxx series		0,312	0,041	13	14	0								14
(772) Sysmex XN series		0,423	0,032	7,5	79	0								79
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,356	0,048	13	14	0								14
Other					3	0								3
							1x 744, 1x 768, 1x 999							
Sample B		0,405	0,045	11	153	CVP	0,405	,0090	50%	0,202	0,608	153	151	99%
(702) Abbott CELL-DYN Emerald		0,379	0,031	8,2	6	0								6
(737) Siemens Advia 120, 2120, 2120i		0,320	0,03	9,3	8	0								8
(749) Sysmex XE, XS, XT series		0,420	0,045	11	6	0								6
(763) Abbott Alinity, CELL-DYN Sapphire		0,426	0,037	8,7	7	0								7
(765) Abbott CELL-DYN Ruby		0,387	0,027	6,9	16	0								16
(771) MINDRAY BC 6xxx series		0,309	0,024	7,8	14	0								14
(772) Sysmex XN series		0,426	0,028	6,6	79	0								79
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,408	0,018	4,3	14	0								14
Other					3	1								3
							1x 744, 1x 768, 1x 999							
(163) Eosinophils	f.10(exp9)/L]				152							152	147	97%
Samples and groups														
Sample A		0,111	0,015	13	152	CVP	0,111	,0030	50%	0,055	0,167	152	149	98%
(702) Abbott CELL-DYN Emerald		0,080	0,03	37	6	0								6
(737) Siemens Advia 120, 2120, 2120i		0,100	0,03	30	8	0								8
(749) Sysmex XE, XS, XT series		0,110	0,015	13	6	0								6
(763) Abbott Alinity, CELL-DYN Sapphire		0,106	0,013	13	7	0								7
(765) Abbott CELL-DYN Ruby		0,109	0,015	14	16	0								16
(771) MINDRAY BC 6xxx series		0,127	0,02	15	14	0								14
(772) Sysmex XN series		0,113	0,013	11	79	0								79
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,101	0,003	3,9	14	0								14
Other					2	0								2
							1x 744, 1x 768							
Sample B		0,084	0,013	15	152	CVP	0,084	,0025	50%	0,042	0,126	152	149	98%
(702) Abbott CELL-DYN Emerald		0,077	0,035	45	6	0								6
(737) Siemens Advia 120, 2120, 2120i		0,080	0,015	19	8	0								8
(749) Sysmex XE, XS, XT series		0,085	0,007	8,7	6	0								6
(763) Abbott Alinity, CELL-DYN Sapphire		0,079	0,013	16	7	0								7
(765) Abbott CELL-DYN Ruby		0,079	0,008	11	16	0								16
(771) MINDRAY BC 6xxx series		0,086	0,015	18	14	0								14
(772) Sysmex XN series		0,084	0,011	13	79	0								79
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,090	0,013	14	14	0								14
Other					2	1								2
							1x 744, 1x 768							
(164) Basophiles	f.10(exp9)/L]				152							152	139	91%
Samples and groups														
Sample A		0,064	0,038	59	152	CVP	0,064	,0075	asym.	0	0,142	152	139	91%
(702) Abbott CELL-DYN Emerald		0,010	0,015	150	6	0								6
(737) Siemens Advia 120, 2120, 2120i		0,065	0,022	34	8	0								8
(749) Sysmex XE, XS, XT series		0,040	0,015	37	6	0								6
(763) Abbott Alinity, CELL-DYN Sapphire		0,022	0,027	130	7	0								7
(765) Abbott CELL-DYN Ruby		0,096	0,016	17	16	0								16
(771) MINDRAY BC 6xxx series		0,036	0,01	28	14	1								14
(772) Sysmex XN series		0,078	0,034	44	79	0								79
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,029	0,032	110	14	0								14
Other					2	0								2
							1x 744, 1x 768							
Sample B		0,044	0,023	51	152	CVP	0,044	,0045	asym.	0	0,158	152	150	99%
(702) Abbott CELL-DYN Emerald		0,008	0,011	150	6	0								6
(737) Siemens Advia 120, 2120, 2120i		0,085	0,052	61	8	0								8
(749) Sysmex XE, XS, XT series		0,030	0,015	49	6	0								6
(763) Abbott Alinity, CELL-DYN Sapphire		0,013	0,019	150	7	0								7
(765) Abbott CELL-DYN Ruby		0,086	0,025	29	16	0								16
(771) MINDRAY BC 6xxx series		0,031	0,005	17	14	0								14
(772) Sysmex XN series		0,047	0,013	27	79	0								79
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,027	0,031	120	14	0								14

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO6/22 - Blood Count

Deadline: 23.09.2022

Test	[unit]	ROM	SD	CV [%]	N _{tot}	N _{out}	Comparability								
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(164) Basophiles	r.10(exp9)/L				152							152	139	91%	
Samples and groups															
Sample B		0,044	0,023	51	152		CVP	0,044	,0045	asym.	0	0,158	152	150	99%
Other					2	0							2		
							1x 744, 1x 768								
st_kn_p							End of report								Printed: 01.10.2022