

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO7/21 - Blood Count

Deadline: 08.10.2021

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					194							194	191	98%
— Samples and groups	r.10(exp9)/L]													
Sample A		6,22	0,17	2,8	194	CVP	6,22	0,030	15%	5,28	7,16	194	192	99%
(702) Abbott CELL-DYN Emerald		6,00	0,15	2,5	5	0						5		
(703) Siemens Advia 560		6,25	0,13	2,1	5	0						5		
(737) Siemens Advia 120, 2120, 2120i		6,18	0,18	2,9	9	0						9		
(749) Sysmex XE, XS, XT series		6,38	0,25	3,9	11	0						11		
(755) Sysmex KX series		6,20	0,12	2,0	12	0						12		
(765) Abbott CELL-DYN Ruby		6,20	0,34	5,5	9	0						9		
(766) MINDRAY BC 2xxx, 3xxx series		6,10	0,15	2,4	5	0						5		
(768) MINDRAY BC 5xxx series		6,12	0,29	4,7	9	0						9		
(771) MINDRAY BC 6xxx series		6,21	0,14	2,2	14	0						14		
(772) Sysmex XN series		6,26	0,12	1,9	93	0						93		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		6,10	0,30	4,9	8	0						8		
Other					14	0						14		
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999					194	193	99%
Sample B		4,57	0,15	3,3	194	CVP	4,57	0,026	15%	3,88	5,26	194	193	99%
(702) Abbott CELL-DYN Emerald		4,45	0,22	5,0	5	0						5		
(703) Siemens Advia 560		4,76	0,12	2,5	5	0						5		
(737) Siemens Advia 120, 2120, 2120i		4,64	0,12	2,6	9	0						9		
(749) Sysmex XE, XS, XT series		4,61	0,11	2,5	11	0						11		
(755) Sysmex KX series		4,55	0,18	4,0	12	0						12		
(765) Abbott CELL-DYN Ruby		4,22	0,36	8,6	9	0						9		
(766) MINDRAY BC 2xxx, 3xxx series		4,50	0,000	0,00	5	0						5		
(768) MINDRAY BC 5xxx series		4,48	0,24	5,3	9	0						9		
(771) MINDRAY BC 6xxx series		4,62	0,11	2,3	14	0						14		
(772) Sysmex XN series		4,60	0,12	2,6	93	0						93		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,55	0,22	4,9	8	0						8		
Other					14	0						14		
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999					194	194	100%
(151) RBC					194							194	194	100%
— Samples and groups	r.10(exp12)/L]													
Sample A		3,98	0,071	1,8	194	CVP	3,98	0,013	7%	3,7	4,26	194	194	100%
(702) Abbott CELL-DYN Emerald		3,92	0,16	4,2	5	0						5		
(703) Siemens Advia 560		4,03	0,059	1,5	5	0						5		
(737) Siemens Advia 120, 2120, 2120i		4,02	0,0150	0,37	9	0						9		
(749) Sysmex XE, XS, XT series		4,04	0,061	1,5	11	0						11		
(755) Sysmex KX series		3,98	0,072	1,8	12	0						12		
(765) Abbott CELL-DYN Ruby		4,10	0,13	3,1	9	0						9		
(766) MINDRAY BC 2xxx, 3xxx series		4,06	0,067	1,6	5	0						5		
(768) MINDRAY BC 5xxx series		3,96	0,096	2,4	9	0						9		
(771) MINDRAY BC 6xxx series		3,99	0,11	2,7	14	0						14		
(772) Sysmex XN series		3,97	0,052	1,3	93	0						93		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,97	0,074	1,9	8	0						8		
Other					14	0						14		
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999					194	194	100%
Sample B		5,03	0,086	1,7	194	CVP	5,03	0,015	7%	4,67	5,39	194	194	100%
(702) Abbott CELL-DYN Emerald		4,88	0,089	1,8	5	0						5		
(703) Siemens Advia 560		4,98	0,030	0,60	5	0						5		
(737) Siemens Advia 120, 2120, 2120i		5,02	0,074	1,5	9	0						9		
(749) Sysmex XE, XS, XT series		5,13	0,074	1,4	11	0						11		
(755) Sysmex KX series		4,98	0,09	1,8	12	0						12		
(765) Abbott CELL-DYN Ruby		5,15	0,12	2,3	9	0						9		
(766) MINDRAY BC 2xxx, 3xxx series		5,10	0,13	2,6	5	0						5		
(768) MINDRAY BC 5xxx series		4,96	0,14	2,8	9	0						9		
(771) MINDRAY BC 6xxx series		5,06	0,14	2,8	14	0						14		
(772) Sysmex XN series		5,04	0,058	1,2	93	0						93		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,97	0,059	1,2	8	0						8		
Other					14	0						14		
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999					194	193	99%
(152) Haemoglobin					194							194	193	99%
— Samples and groups	[g/L]													
Sample A		123	2,1	1,7	194	CVP	123	0,36	6%	115	131	194	194	100%
(702) Abbott CELL-DYN Emerald		126	2,2	1,8	5	0						5		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO7/21 - Blood Count

Deadline: 08.10.2021

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	193	99%
Samples and groups															
Sample A		123	2,1	1,7	194	CVP	123	0,36	6%	115	131	194	194	100%	
(703) Siemens Advia 560		126	0,740,59		5	0						5			
(737) Siemens Advia 120, 2120, 2120i		127	0,740,59		9	0						9			
(749) Sysmex XE, XS, XT series		123	2,4	2,0	11	0						11			
(755) Sysmex KX series		122	1,8	1,5	12	0						12			
(765) Abbott CELL-DYN Ruby		126	2,2	1,8	9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		124	1,5	1,2	5	0						5			
(768) MINDRAY BC 5xxx series		123	1,9	1,5	9	0						9			
(771) MINDRAY BC 6xxx series		124	2,1	1,7	14	0						14			
(772) Sysmex XN series		122	1,2	1,0	93	0						93			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		125	3,0	2,4	8	0						8			
Other					14	0						14			
1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999															
Sample B		153	2,2	1,4	194	CVP	153	0,39	6%	143	163	194	193	99%	
(702) Abbott CELL-DYN Emerald		155	1,50,96		5	0						5			
(703) Siemens Advia 560		154	1,50,96		5	0						5			
(737) Siemens Advia 120, 2120, 2120i		156	1,50,95		9	0						9			
(749) Sysmex XE, XS, XT series		154	2,7	1,8	11	0						11			
(755) Sysmex KX series		153	3,4	2,2	12	0						12			
(765) Abbott CELL-DYN Ruby		155	1,50,96		9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		155	2,2	1,4	5	0						5			
(768) MINDRAY BC 5xxx series		153	2,2	1,5	9	0						9			
(771) MINDRAY BC 6xxx series		154	2,3	1,5	14	0						14			
(772) Sysmex XN series		153	1,6	1,1	93	0						93			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		153	3,0	1,9	8	0						8			
Other					14	0						14			
1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999															
(153) HCT	[-]				192								192	191	99%
Samples and groups															
Sample A		0,382	0,011	3,0	192	CVP	0,382	,0020	10%	0,343	0,421	192	191	99%	
(702) Abbott CELL-DYN Emerald		0,382	0,013	3,5	5	0						5			
(703) Siemens Advia 560		0,376	0,017	4,5	5	0						5			
(737) Siemens Advia 120, 2120, 2120i		0,389	0,0020,57		9	0						9			
(749) Sysmex XE, XS, XT series		0,386	0,015	3,9	11	0						11			
(755) Sysmex KX series		0,378	0,011	3,0	12	0						12			
(765) Abbott CELL-DYN Ruby		0,388	0,016	4,0	9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		0,375	0,007	2,0	5	0						5			
(768) MINDRAY BC 5xxx series		0,379	0,019	5,1	8	0						8			
(771) MINDRAY BC 6xxx series		0,374	0,017	4,6	14	0						14			
(772) Sysmex XN series		0,384	0,007	2,0	92	0						92			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,377	0,009	2,5	8	0						8			
Other					14	0						14			
1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999															
Sample B		0,465	0,012	2,7	192	CVP	0,465	,0022	10%	0,418	0,512	192	191	99%	
(702) Abbott CELL-DYN Emerald		0,453	0,016	3,4	5	0						5			
(703) Siemens Advia 560		0,454	0,008	2,0	5	0						5			
(737) Siemens Advia 120, 2120, 2120i		0,466	0,01	2,2	9	0						9			
(749) Sysmex XE, XS, XT series		0,466	0,014	3,0	11	0						11			
(755) Sysmex KX series		0,457	0,017	3,6	12	0						12			
(765) Abbott CELL-DYN Ruby		0,467	0,019	4,0	9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		0,462	0,012	2,6	5	0						5			
(768) MINDRAY BC 5xxx series		0,463	0,02	4,3	8	0						8			
(771) MINDRAY BC 6xxx series		0,461	0,023	4,9	14	0						14			
(772) Sysmex XN series		0,468	0,008	1,9	92	0						92			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,459	0,013	2,7	8	0						8			
Other					14	0						14			
1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999															
(154) MCV	[fL]				194								194	194	100%
Samples and groups															
Sample A		95,9	2,3	2,4	194	CVP	95,9	0,41	10%	86,3	106	194	194	100%	
(702) Abbott CELL-DYN Emerald		96,4	2,2	2,3	5	0						5			
(703) Siemens Advia 560		93,0	2,6	2,8	5	0						5			
(737) Siemens Advia 120, 2120, 2120i		96,7	0,300,31		9	0						9			
(749) Sysmex XE, XS, XT series		95,7	2,4	2,5	11	0						11			
(755) Sysmex KX series		95,2	2,1	2,2	12	0						12			
(765) Abbott CELL-DYN Ruby		93,8	1,0	1,1	9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		92,8	2,4	2,6	5	0						5			
(768) MINDRAY BC 5xxx series		95,6	1,4	1,5	9	0						9			
(771) MINDRAY BC 6xxx series		93,7	2,5	2,6	14	0						14			

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO7/21 - Blood Count

Deadline: 08.10.2021

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					194								194	194	100%
Samples and groups	[fL]														
Sample A		95,9	2,3	2,4	194	CVP	95,9	0,41	10%	86,3	106	194	194	100%	
(772) Sysmex XN series		97,0	1,6	1,6	93	0						93			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		94,7	2,0	2,1	8	0						8			
Other					14	0						14			
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999								
Sample B		92,3	1,9	2,1	194	CVP	92,3	0,34	10%	83	102	194	194	100%	
(702) Abbott CELL-DYN Emerald		92,0	1,6	1,7	5	0						5			
(703) Siemens Advia 560		91,0	1,2	1,3	5	0						5			
(737) Siemens Advia 120, 2120, 2120i		92,6	2,0	2,2	9	0						9			
(749) Sysmex XE, XS, XT series		91,0	2,4	2,7	11	0						11			
(755) Sysmex KX series		91,7	2,2	2,4	12	0						12			
(765) Abbott CELL-DYN Ruby		90,8	1,7	1,9	9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		90,5	1,9	2,0	5	0						5			
(768) MINDRAY BC 5xxx series		93,3	1,6	1,7	9	0						9			
(771) MINDRAY BC 6xxx series		91,0	2,4	2,6	14	0						14			
(772) Sysmex XN series		93,0	1,5	1,6	93	0						93			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		92,1	1,3	1,4	8	0						8			
Other					14	0						14			
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999								
(155) Platelets					194							194	194	100%	
Samples and groups	[.10(exp9)/L]														
Sample A		356	15	4,3	194	CVP	356	2,7	20%	284	428	194	194	100%	
(702) Abbott CELL-DYN Emerald		355	8,9	2,5	5	0						5			
(703) Siemens Advia 560		352	13	3,6	5	0						5			
(737) Siemens Advia 120, 2120, 2120i		350	21	5,9	9	0						9			
(749) Sysmex XE, XS, XT series		363	13	3,6	11	0						11			
(755) Sysmex KX series		360	15	4,2	12	0						12			
(765) Abbott CELL-DYN Ruby		325	21	6,6	9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		358	13	3,5	6	0						6			
(768) MINDRAY BC 5xxx series		341	34	9,9	8	0						8			
(771) MINDRAY BC 6xxx series		368	22	6,0	14	0						14			
(772) Sysmex XN series		357	9,9	2,8	93	0						93			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		342	19	5,6	8	0						8			
Other					14	0						14			
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999								
Sample B		154	8,3	5,4	194	CVP	154	1,5	27%	112	196	194	194	100%	
(702) Abbott CELL-DYN Emerald		144	8,2	5,7	5	0						5			
(703) Siemens Advia 560		149	6,7	4,5	5	0						5			
(737) Siemens Advia 120, 2120, 2120i		145	21	15	9	0						9			
(749) Sysmex XE, XS, XT series		154	4,6	3,0	11	0						11			
(755) Sysmex KX series		145	9,6	6,6	12	0						12			
(765) Abbott CELL-DYN Ruby		149	11	7,5	9	0						9			
(766) MINDRAY BC 2xxx, 3xxx series		156	13	8,1	6	0						6			
(768) MINDRAY BC 5xxx series		147	21	14	8	0						8			
(771) MINDRAY BC 6xxx series		161	10	6,3	14	0						14			
(772) Sysmex XN series		157	4,8	3,1	93	0						93			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		145	8,9	6,1	8	0						8			
Other					14	0						14			
							1x 706, 2x 716, 1x 718, 2x 741, 1x 743, 4x 744, 3x 999								
(156) RDW					173							169	165	98%	
Samples and groups	[%]														
Sample A		14,4	0,37	2,6	173							169	166	98%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		13,1	0,22	1,7	9	0	CVPG	13,4	0,73	10%	12	14,8	9		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		15,0	0,15	0,99	8	0	CVPG	15,1	0,092	10%	13,5	16,7	8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		14,8	0,18	1,2	10	0	CVPG	14,3	0,054	10%	12,8	15,8	10		
(63) Sysmex; (755) Sysmex KX series		14,0	0,22	1,6	7	2	CVPG	14,3	0,054	10%	12,8	15,8	7		
(63) Sysmex; (772) Sysmex XN series		14,3	0,19	1,3	90	0	CVPG	14,3	0,054	10%	12,8	15,8	90		
(177) Mindray; (768) MINDRAY BC 5xxx series		14,3	0,67	4,7	8	0	CVPG	14,4	0,19	10%	12,9	15,9	8		
(177) Mindray; (771) MINDRAY BC 6xxx series		14,4	0,35	2,4	12	0	CVPG	14,4	0,19	10%	12,9	15,9	12		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		14,3	0,22	1,6	9	0	CVPG	14,5	0,40	10%	13	16	9		
Other					20	0						16			
							3x 1/702, 1x 12/718, 1x 46/999, 1x 157/741, 4x 157/744, 2x 177/766, 1x 177/999, 4x 179/703, 1x 204/716, 1x 204/999, 1x 205/706								
Sample B		13,1	0,32	2,4	173							169	165	98%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		11,8	0,22	1,9	9	0	CVPG	12,2	0,71	10%	10,9	13,5	9		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO7/21 - Blood Count

Deadline: 08.10.2021

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					173								169	165	98%	
Samples and groups	[%]															
Sample B					173								169	165	98%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		13,1	0,32	2,4	8	0	CVPG	13,3	0,092	10%	11,9	14,7		8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,2	0,15	1,1	10	0	CVPG	13,1	0,052	10%	11,7	14,5		10		
(63) Sysmex; (755) Sysmex KX series		13,0	0,22	1,7	7	2	CVPG	13,1	0,052	10%	11,7	14,5		7		
(63) Sysmex; (772) Sysmex XN series		13,1	0,18	1,4	90	0	CVPG	13,1	0,052	10%	11,7	14,5		90		
(177) Mindray; (768) MINDRAY BC 5xxx series		12,9	0,82	6,3	8	0	CVPG	13,1	0,22	10%	11,7	14,5		8		
(177) Mindray; (771) MINDRAY BC 6xxx series		13,2	0,17	1,3	12	0	CVPG	13,1	0,22	10%	11,7	14,5		12		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		12,9	0,15	1,1	9	0	CVPG	13,2	0,34	10%	11,8	14,6		9		
Other					20	0								16		
								3x 1/702, 1x 12/718, 1x 46/999, 1x 157/741, 4x 157/744, 2x 177/766, 1x 177/999, 4x 179/703, 1x 204/716, 1x 204/999, 1x 205/706								
(157) MPV					174								170	162	95%	
Samples and groups	[fL]															
Sample A					174								170	163	96%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		9,46	0,56	5,9	8	0	CVPG	5,76	0,92	18%	4,72	6,8		8		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,33	0,58	11	8	0	CVPG	7,95	0,46	18%	6,51	9,39		8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		7,95	0,37	4,7	10	0	CVPG	9,68	0,063	18%	7,93	11,5		10		
(63) Sysmex; (755) Sysmex KX series		9,83	0,51	5,2	11	0	CVPG	9,68	0,063	18%	7,93	11,5		11		
(63) Sysmex; (772) Sysmex XN series		9,65	0,28	2,9	90	0	CVPG	9,68	0,063	18%	7,93	11,5		90		
(177) Mindray; (768) MINDRAY BC 5xxx series		9,67	0,26	2,7	8	0	CVPG	9,36	0,31	18%	7,67	11,1		8		
(177) Mindray; (771) MINDRAY BC 6xxx series		8,70	1,0	12	13	0	CVPG	9,36	0,31	18%	7,67	11,1		13		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		9,55	0,50	5,3	8	0	CVPG	9,04	1,2	18%	7,41	10,7		8		
Other		9,70	0,89	9,2	18	0								14		
								2x 1/702, 1x 12/718, 1x 46/999, 1x 157/741, 4x 157/744, 2x 177/766, 1x 177/999, 3x 179/703, 1x 204/716, 1x 204/999, 1x 205/706								
Sample B					174								170	166	98%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		12,2	0,65	5,3	8	0	CVPG	9,22	0,90	18%	7,56	10,9		8		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		8,64	1,5	18	8	0	CVPG	10,6	0,46	18%	8,69	12,6		8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,6	0,37	3,5	10	0	CVPG	12,4	0,076	18%	10,1	14,7		10		
(63) Sysmex; (755) Sysmex KX series		12,5	0,43	3,5	11	0	CVPG	12,4	0,076	18%	10,1	14,7		11		
(63) Sysmex; (772) Sysmex XN series		12,4	0,30	2,4	90	0	CVPG	12,4	0,076	18%	10,1	14,7		90		
(177) Mindray; (768) MINDRAY BC 5xxx series		12,3	0,33	2,7	8	0	CVPG	12,4	0,48	18%	10,1	14,7		8		
(177) Mindray; (771) MINDRAY BC 6xxx series		11,4	1,0	9,1	13	0	CVPG	12,4	0,48	18%	10,1	14,7		13		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		12,8	0,47	3,7	8	0	CVPG	11,7	0,74	18%	9,59	13,9		8		
Other		12,2	0,52	4,3	18	0								14		
								2x 1/702, 1x 12/718, 1x 46/999, 1x 157/741, 4x 157/744, 2x 177/766, 1x 177/999, 3x 179/703, 1x 204/716, 1x 204/999, 1x 205/706								
(158) PDW [%]					24								12	12	100%	
Samples and groups	[%]															
Sample A					24								21	21	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		24,2	13	53	7	0	CVPG	16,1	0,14	15%	13,6	18,6		7		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		16,1	0,150	9,2	6	0	CVPG	37,8	4,4	15%	32,1	43,5		6		
Other		39,0	5,3	14	11	0								8		
								1x 46/999, 1x 157/741, 4x 157/744, 3x 179/703, 1x 204/999, 1x 205/706								
Sample B					24								12	12	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		29,1	19	65	7	0	CVPG	17,3	0,072	15%	14,7	19,9		7		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		17,3	0,0740	4,3	6	0	CVPG	47,4	15	15%	40,2	54,6		0		
Other		55,5	4,8	8,7	11	0								5		
								1x 46/999, 1x 157/741, 4x 157/744, 3x 179/703, 1x 204/999, 1x 205/706								
(165) PDW [fL]					109								108	102	94%	
Samples and groups	[fL]															
Sample A					109								108	106	98%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,6	0,61	5,8	10	0	CVPG	10,9	0,14	15%	9,01	12,2		10		
(63) Sysmex; (755) Sysmex KX series		10,9	0,79	7,3	11	0	CVPG	10,6	0,14	15%	9,01	12,2		11		
(63) Sysmex; (772) Sysmex XN series		11,3	0,33	2,9	87	0	CVPG	10,6	0,14	15%	9,01	12,2		87		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO7/21 - Blood Count

Deadline: 08.10.2021

Test	[unit]						Comparability								
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(165) PDW [fL]					109							108	102	94%	
Samples and groups															
Sample A	[fL]	10,6	0,61	5,8	109							108	106	98%	
Other					1	0						0			
1x 204/716															
Sample B		16,8	0,97	5,7	109							108	103	95%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		17,0	0,92	5,4	10	0	CVPG	16,8	0,22	15%	14,2	19,4	10		
(63) Sysmex; (755) Sysmex KX series		18,1	1,5	8,6	11	0	CVPG	16,8	0,22	15%	14,2	19,4	11		
(63) Sysmex; (772) Sysmex XN series		16,7	0,91	5,5	87	0	CVPG	16,8	0,22	15%	14,2	19,4	87		
Other					1	0						0			
1x 204/716															
(166) PDW [-]					30							30	29	97%	
Samples and groups															
Sample A	[-]	15,8	0,71	4,5	30							30	30	100%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		17,6	0,74	4,2	7	0	CVPG	17,6	0,72	15%	14,9	20,3	7		
(177) Mindray; (768) MINDRAY BC 5xxx series		15,5	0,44	2,9	7	0	CVPG	15,5	0,12	15%	13,1	17,9	7		
(177) Mindray; (771) MINDRAY BC 6xxx series		15,6	0,120	0,76	12	0	CVPG	15,5	0,12	15%	13,1	17,9	12		
Other					4	0						4			
3x 177/766, 1x 177/999															
Sample B		17,2	1,9	11	30							30	29	97%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		20,5	1,0	5,1	7	0	CVPG	20,5	1,0	15%	17,4	23,6	7		
(177) Mindray; (768) MINDRAY BC 5xxx series		17,1	1,3	7,4	7	0	CVPG	16,3	0,22	15%	13,8	18,8	7		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,4	0,20	1,2	12	0	CVPG	16,3	0,22	15%	13,8	18,8	12		
Other					4	0						4			
3x 177/766, 1x 177/999															
(160) Neutrophiles					154							154	144	94%	
Samples and groups															
Sample A	f.10(exp9)/L]	3,61	0,14	3,8	154		CVP	3,61	0,027	25%	2,7	4,52	154	152	99%
(737) Siemens Advia 120, 2120, 2120i		3,70	0,19	5,2	8	0							8		
(749) Sysmex XE, XS, XT series		3,66	0,096	2,6	9	0							9		
(765) Abbott CELL-DYN Ruby		3,27	0,28	8,6	8	0							8		
(768) MINDRAY BC 5xxx series		3,53	0,17	4,8	9	0							9		
(771) MINDRAY BC 6xxx series		3,72	0,083	2,2	13	0							13		
(772) Sysmex XN series		3,61	0,095	2,6	87	0							87		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,65	0,22	6,1	7	0							7		
Other					13	0							13		
3x 702, 4x 703, 1x 718, 3x 744, 1x 755, 1x 999															
Sample B		2,90	0,16	5,5	154		CVP	2,9	0,032	25%	2,17	3,63	154	145	94%
(737) Siemens Advia 120, 2120, 2120i		3,02	0,16	5,4	8	0							8		
(749) Sysmex XE, XS, XT series		2,89	0,11	3,9	9	0							9		
(765) Abbott CELL-DYN Ruby		1,89	0,44	24	8	0							8		
(768) MINDRAY BC 5xxx series		2,74	0,35	13	9	0							9		
(771) MINDRAY BC 6xxx series		3,04	0,05	1,6	13	0							13		
(772) Sysmex XN series		2,92	0,11	3,9	87	0							87		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,97	0,19	6,4	7	0							7		
Other					13	1							13		
3x 702, 4x 703, 1x 718, 3x 744, 1x 755, 1x 999															
(161) Lymphocytes					154							154	137	89%	
Samples and groups															
Sample A	f.10(exp9)/L]	2,17	0,10	4,7	154		CVP	2,17	0,020	25%	1,62	2,72	154	152	99%
(737) Siemens Advia 120, 2120, 2120i		1,98	0,074	3,7	8	0							8		
(749) Sysmex XE, XS, XT series		2,24	0,17	7,6	9	0							9		
(765) Abbott CELL-DYN Ruby		2,39	0,53	22	8	0							8		
(768) MINDRAY BC 5xxx series		2,31	0,12	5,1	9	0							9		
(771) MINDRAY BC 6xxx series		2,13	0,073	3,4	13	0							13		
(772) Sysmex XN series		2,17	0,068	3,1	87	0							87		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,05	0,074	3,6	7	0							7		
Other					13	0							13		
3x 702, 4x 703, 1x 718, 3x 744, 1x 755, 1x 999															
Sample B		1,25	0,085	6,8	154		CVP	1,25	0,017	25%	0,937	1,57	154	137	89%
(737) Siemens Advia 120, 2120, 2120i		1,15	0,074	6,4	8	0							8		
(749) Sysmex XE, XS, XT series		1,25	0,03	2,4	9	0							9		
(765) Abbott CELL-DYN Ruby		1,86	0,19	10	8	0							8		
(768) MINDRAY BC 5xxx series		1,47	0,10	7,1	9	0							9		
(771) MINDRAY BC 6xxx series		1,22	0,075	6,1	13	0							13		
(772) Sysmex XN series		1,23	0,047	3,8	87	0							87		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,18	0,037	3,2	7	0							7		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO7/21 - Blood Count

Deadline: 08.10.2021

Test	[unit]						Comparability									
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}		
(161) Lymphocytes	f.10(exp9)/L]				154							154	137	89%		
Samples and groups																
Sample B		1,25	0,085	6,8	154	CVP	1,25	0,017	25%	0,937	1,57	154	137	89%		
Other					13	1	3x 702, 4x 703, 1x 718, 3x 744, 1x 755, 1x 999							13		
(162) Monocytes	f.10(exp9)/L]				153							153	149	97%		
Samples and groups																
Sample A		0,305	0,04	13	153	CVP	0,305	,0079	50%	0,152	0,458	153	152	99%		
(737) Siemens Advia 120, 2120, 2120i		0,265	0,037	14	8	0						8				
(749) Sysmex XE, XS, XT series		0,335	0,007	2,2	9	0						9				
(765) Abbott CELL-DYN Ruby		0,307	0,044	14	8	0						8				
(768) MINDRAY BC 5xxx series		0,280	0,03	11	9	0						9				
(771) MINDRAY BC 6xxx series		0,240	0,029	12	13	0						13				
(772) Sysmex XN series		0,322	0,026	8,0	87	0						87				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,286	0,021	7,3	7	0						7				
Other					12	0	3x 702, 4x 703, 1x 718, 3x 744, 1x 999							12		
Sample B		0,290	0,037	13	153	CVP	0,29	,0074	50%	0,145	0,435	153	150	98%		
(737) Siemens Advia 120, 2120, 2120i		0,255	0,052	20	8	0						8				
(749) Sysmex XE, XS, XT series		0,300	0,015	4,9	9	0						9				
(765) Abbott CELL-DYN Ruby		0,288	0,043	15	8	0						8				
(768) MINDRAY BC 5xxx series		0,245	0,007	3,0	9	0						9				
(771) MINDRAY BC 6xxx series		0,220	0,027	12	13	0						13				
(772) Sysmex XN series		0,305	0,022	7,1	87	0						87				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,275	0,037	13	7	0						7				
Other					12	0	3x 702, 4x 703, 1x 718, 3x 744, 1x 999							12		
(163) Eosinophils	f.10(exp9)/L]				153							153	146	95%		
Samples and groups																
Sample A		0,104	0,013	13	153	CVP	0,104	,0026	50%	0,052	0,156	153	147	96%		
(737) Siemens Advia 120, 2120, 2120i		0,125	0,022	18	8	0						8				
(749) Sysmex XE, XS, XT series		0,100	0,000	0,00	9	0						9				
(765) Abbott CELL-DYN Ruby		0,105	0,016	15	8	0						8				
(768) MINDRAY BC 5xxx series		0,150	0,045	30	9	0						9				
(771) MINDRAY BC 6xxx series		0,105	0,014	13	13	0						13				
(772) Sysmex XN series		0,100	0,01	10	87	0						87				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,100	0,000	0,00	7	0						7				
Other					12	0	3x 702, 4x 703, 1x 718, 3x 744, 1x 999							12		
Sample B		0,097	0,014	14	153	CVP	0,097	,0027	50%	0,048	0,146	153	149	97%		
(737) Siemens Advia 120, 2120, 2120i		0,100	0,015	15	8	0						8				
(749) Sysmex XE, XS, XT series		0,105	0,007	7,0	9	0						9				
(765) Abbott CELL-DYN Ruby		0,083	0,026	31	8	0						8				
(768) MINDRAY BC 5xxx series		0,110	0,015	13	9	0						9				
(771) MINDRAY BC 6xxx series		0,096	0,012	12	13	0						13				
(772) Sysmex XN series		0,096	0,012	13	87	0						87				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,095	0,007	7,8	7	0						7				
Other					12	0	3x 702, 4x 703, 1x 718, 3x 744, 1x 999							12		
(164) Basophiles	f.10(exp9)/L]				153							153	151	99%		
Samples and groups																
Sample A		0,046	0,02	43	153	CVP	0,046	,0040	asym.	0	0,187	153	153	100%		
(737) Siemens Advia 120, 2120, 2120i		0,070	0,015	21	8	0						8				
(749) Sysmex XE, XS, XT series		0,045	0,022	49	9	0						9				
(765) Abbott CELL-DYN Ruby		0,094	0,026	28	8	0						8				
(768) MINDRAY BC 5xxx series		0,025	0,022	89	9	0						9				
(771) MINDRAY BC 6xxx series		0,024	0,006	26	13	0						13				
(772) Sysmex XN series		0,048	0,012	26	87	0						87				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,025	0,037	150	7	0						7				
Other					12	0	3x 702, 4x 703, 1x 718, 3x 744, 1x 999							12		
Sample B		0,035	0,026	75	153	CVP	0,035	,0052	asym.	0	0,137	153	151	99%		
(737) Siemens Advia 120, 2120, 2120i		0,035	0,007	21	8	0						8				
(749) Sysmex XE, XS, XT series		0,035	0,037	110	9	0						9				
(765) Abbott CELL-DYN Ruby		0,060	0,011	19	8	0						8				
(768) MINDRAY BC 5xxx series		0,020	0,015	74	9	0						9				
(771) MINDRAY BC 6xxx series		0,036	0,026	72	13	0						13				
(772) Sysmex XN series		0,038	0,028	75	87	0						87				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,025	0,037	150	7	0						7				

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO7/21 - Blood Count

Deadline: 08.10.2021

Test	[unit]	ROM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(164) Basophiles	r.10(exp9)/L				153								153	151	99%
Samples and groups															
Sample B		0,035	0,026	75	153		CVP	0,035	,0052	asym.	0	0,137	153	151	99%
Other					12	0							12		
							3x 702, 4x 703, 1x 718, 3x 744, 1x 999								
st_kn_p							End of report								Printed: 12.10.2021