

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/21 - Blood Count

Deadline: 10.09.2021

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					163							163	160	98%
Samples and groups	f.10(exp9)/L]													
Sample A		4,61	0,16	3,4	163	CVP	4,61	0,030	15%	3,91	5,31	163	160	98%
(737) Siemens Advia 120, 2120, 2120i		4,55	0,37	8,2	11	0						11		
(749) Sysmex XE, XS, XT series		4,69	0,17	3,5	11	0						11		
(755) Sysmex KX series		4,60	0,10	2,3	24	0						24		
(765) Abbott CELL-DYN Ruby		4,54	0,24	5,2	10	0						10		
(771) MINDRAY BC 6xxx series		4,61	0,052	1,1	9	0						9		
(772) Sysmex XN series		4,64	0,12	2,6	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,50	0,15	3,3	6	0						6		
Other					21	0						21		
							3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999							
Sample B		7,32	0,25	3,4	163	CVP	7,32	0,048	15%	6,22	8,42	163	161	99%
(737) Siemens Advia 120, 2120, 2120i		7,12	0,37	5,2	11	0						11		
(749) Sysmex XE, XS, XT series		7,44	0,25	3,4	11	0						11		
(755) Sysmex KX series		7,31	0,20	2,8	24	0						24		
(765) Abbott CELL-DYN Ruby		7,22	0,33	4,6	10	0						10		
(771) MINDRAY BC 6xxx series		7,43	0,36	4,8	9	0						9		
(772) Sysmex XN series		7,39	0,16	2,2	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		7,05	0,52	7,4	6	0						6		
Other					21	0						21		
							3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999							
(151) RBC					163							163	160	98%
Samples and groups	f.10(exp12)/L]													
Sample A		4,75	0,073	1,5	163	CVP	4,75	0,014	7%	4,41	5,09	163	161	99%
(737) Siemens Advia 120, 2120, 2120i		4,77	0,085	1,8	11	0						11		
(749) Sysmex XE, XS, XT series		4,82	0,06	1,2	11	0						11		
(755) Sysmex KX series		4,74	0,055	1,2	24	0						24		
(765) Abbott CELL-DYN Ruby		4,80	0,09	1,9	10	0						10		
(771) MINDRAY BC 6xxx series		4,71	0,067	1,4	9	0						9		
(772) Sysmex XN series		4,75	0,053	1,1	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,72	0,067	1,4	6	0						6		
Other					21	0						21		
							3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999							
Sample B		4,98	0,084	1,7	163	CVP	4,98	0,016	7%	4,63	5,33	163	161	99%
(737) Siemens Advia 120, 2120, 2120i		5,01	0,095	1,9	11	0						11		
(749) Sysmex XE, XS, XT series		5,04	0,054	1,1	11	0						11		
(755) Sysmex KX series		4,98	0,079	1,6	24	0						24		
(765) Abbott CELL-DYN Ruby		5,05	0,10	2,0	10	0						10		
(771) MINDRAY BC 6xxx series		4,92	0,067	1,4	9	0						9		
(772) Sysmex XN series		4,97	0,061	1,2	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,93	0,067	1,4	6	0						6		
Other					21	0						21		
							3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999							
(152) Haemoglobin					168							168	168	100%
Samples and groups	[g/L]													
Sample A		145	2,2	1,5	168	CVP	145	0,41	6%	136	154	168	168	100%
(737) Siemens Advia 120, 2120, 2120i		148	1,9	1,3	11	0						11		
(749) Sysmex XE, XS, XT series		146	2,7	1,8	11	0						11		
(755) Sysmex KX series		144	2,0	1,4	24	0						24		
(765) Abbott CELL-DYN Ruby		147	3,0	2,0	10	0						10		
(771) MINDRAY BC 6xxx series		145	3,0	2,0	9	0						9		
(772) Sysmex XN series		145	1,40	0,98	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		146	0,740	0,51	6	0						6		
(999) another system		149	3,7	2,5	7	0						7		
Other					19	0						19		
							3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768							
Sample B		132	2,0	1,5	168	CVP	132	0,39	6%	124	140	168	168	100%
(737) Siemens Advia 120, 2120, 2120i		134	2,4	1,8	11	0						11		
(749) Sysmex XE, XS, XT series		133	2,0	1,5	11	0						11		
(755) Sysmex KX series		131	1,8	1,4	24	0						24		
(765) Abbott CELL-DYN Ruby		133	2,9	2,2	10	0						10		
(771) MINDRAY BC 6xxx series		133	3,7	2,8	9	0						9		
(772) Sysmex XN series		132	1,5	1,1	71	0						71		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/21 - Blood Count

Deadline: 10.09.2021

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]				168								168	168	100%
Samples and groups															
Sample B		132	2,0	1,5	168		CVP	132	0,39	6%	124	140	168	168	100%
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		133	2,2	1,7	6	0							6		
(999) another system		135	3,7	2,8	7	0							7		
Other					19	0							19		
3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768															
(153) HCT	[-]				163								163	161	99%
Samples and groups															
Sample A		0,446	0,012	2,7	163		CVP	0,446	,0023	10%	0,401	0,491	163	163	100%
(737) Siemens Advia 120, 2120, 2120i		0,449	0,011	2,4	11	0							11		
(749) Sysmex XE, XS, XT series		0,449	0,016	3,5	11	0							11		
(755) Sysmex KX series		0,439	0,008	1,9	24	0							24		
(765) Abbott CELL-DYN Ruby		0,441	0,014	3,1	10	0							10		
(771) MINDRAY BC 6xxx series		0,428	0,012	2,8	9	0							9		
(772) Sysmex XN series		0,452	0,007	1,7	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,448	0,011	2,5	6	0							6		
Other					21	0							21		
3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999															
Sample B		0,430	0,013	3,0	163		CVP	0,43	,0024	10%	0,387	0,473	163	161	99%
(737) Siemens Advia 120, 2120, 2120i		0,436	0,011	2,4	11	0							11		
(749) Sysmex XE, XS, XT series		0,429	0,013	3,0	11	0							11		
(755) Sysmex KX series		0,428	0,009	2,2	24	0							24		
(765) Abbott CELL-DYN Ruby		0,428	0,014	3,2	10	0							10		
(771) MINDRAY BC 6xxx series		0,410	0,015	3,6	9	0							9		
(772) Sysmex XN series		0,436	0,007	1,7	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,418	0,01	2,5	6	0							6		
Other					21	0							21		
3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999															
(154) MCV	[fL]				163								163	162	99%
Samples and groups															
Sample A		93,9	2,1	2,3	163		CVP	93,9	0,41	10%	84,5	104	163	163	100%
(737) Siemens Advia 120, 2120, 2120i		94,1	1,2	1,3	11	0							11		
(749) Sysmex XE, XS, XT series		92,7	2,2	2,4	11	0							11		
(755) Sysmex KX series		93,0	1,6	1,8	24	0							24		
(765) Abbott CELL-DYN Ruby		92,1	1,4	1,5	10	0							10		
(771) MINDRAY BC 6xxx series		91,4	1,1	1,2	9	0							9		
(772) Sysmex XN series		95,2	1,2	1,2	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		93,9	1,3	1,3	6	0							6		
Other					21	0							21		
3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999															
Sample B		86,2	2,3	2,6	163		CVP	86,2	0,43	10%	77,5	94,9	163	162	99%
(737) Siemens Advia 120, 2120, 2120i		87,1	1,7	1,9	11	0							11		
(749) Sysmex XE, XS, XT series		84,9	2,0	2,3	11	0							11		
(755) Sysmex KX series		86,1	1,3	1,5	24	0							24		
(765) Abbott CELL-DYN Ruby		84,8	1,2	1,4	10	0							10		
(771) MINDRAY BC 6xxx series		83,0	2,1	2,5	9	0							9		
(772) Sysmex XN series		87,6	1,0	1,2	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		84,6	1,1	1,3	6	0							6		
Other					21	0							21		
3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999															
(155) Platelets	f.10(exp9)/L]				163								163	160	98%
Samples and groups															
Sample A		210	12	5,5	163		CVP	210	2,2	20%	168	252	163	161	99%
(737) Siemens Advia 120, 2120, 2120i		197	23	12	11	0							11		
(749) Sysmex XE, XS, XT series		213	8,7	4,1	11	0							11		
(755) Sysmex KX series		216	9,3	4,3	24	0							24		
(765) Abbott CELL-DYN Ruby		193	10	5,2	10	0							10		
(771) MINDRAY BC 6xxx series		221	3,7	1,7	9	0							9		
(772) Sysmex XN series		211	7,7	3,7	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		205	3,0	1,4	6	0							6		
Other					21	0							21		
3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999															
Sample B		207	12	6,0	163		CVP	207	2,4	20%	165	249	163	162	99%
(737) Siemens Advia 120, 2120, 2120i		191	18	9,3	11	0							11		
(749) Sysmex XE, XS, XT series		207	11	5,3	11	0							11		
(755) Sysmex KX series		201	7,7	3,8	24	1							24		
(765) Abbott CELL-DYN Ruby		192	11	5,5	10	0							10		
(771) MINDRAY BC 6xxx series		215	11	5,2	9	0							9		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/21 - Blood Count

Deadline: 10.09.2021

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				163							163	160	98%
Samples and groups														
Sample B		207	12	6,0	163	CVP	207	2,4	20%	165	249	163	162	99%
(772) Sysmex XN series		213	6,8	3,2	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		190	4,4	2,3	6	0						6		
Other					21	0						21		
							3x 702, 4x 703, 1x 706, 1x 716, 1x 718, 3x 741, 1x 743, 1x 766, 4x 768, 2x 999							
(156) RDW	[%]				146							138	133	96%
Samples and groups														
Sample A		13,9	0,47	3,4	146							138	136	99%
(1) Abbott; (765) Abbott CELL-DYN Ruby		12,7	0,22	1,8	9	0	CVPG	12,7	0,31	10%	11,4	14	9	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		14,6	0,22	1,5	6	0	CVPG	14,4	0,43	10%	12,9	15,9	6	
(63) Sysmex; (749) Sysmex XE, XS, XT series		14,6	0,33	2,3	11	0	CVPG	13,9	0,063	10%	12,5	15,3	11	
(63) Sysmex; (755) Sysmex KX series		13,8	0,26	1,9	11	0	CVPG	13,9	0,063	10%	12,5	15,3	11	
(63) Sysmex; (772) Sysmex XN series		13,8	0,17	1,2	71	0	CVPG	13,9	0,063	10%	12,5	15,3	71	
(177) Mindray; (771) MINDRAY BC 6xxx series		14,4	0,15	1,0	8	0	CVPG	14,2	0,44	10%	12,7	15,7	8	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		13,9	0,36	2,6	11	0	CVPG	14,1	0,31	10%	12,6	15,6	11	
Other					19	0						11		
							3x 1/702, 1x 12/718, 2x 46/999, 3x 157/741, 1x 157/743, 1x 177/766, 3x 177/768, 3x 179/703, 1x 204/716, 1x 205/706							
Sample B		15,8	0,64	4,0	146							138	133	96%
(1) Abbott; (765) Abbott CELL-DYN Ruby		14,5	0,37	2,6	9	0	CVPG	14,4	0,41	10%	12,9	15,9	9	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		17,0	0,30	1,7	6	0	CVPG	17	0,36	10%	15,3	18,7	6	
(63) Sysmex; (749) Sysmex XE, XS, XT series		16,7	0,41	2,5	11	0	CVPG	15,9	0,074	10%	14,3	17,5	11	
(63) Sysmex; (755) Sysmex KX series		15,7	0,140	90	11	0	CVPG	15,9	0,074	10%	14,3	17,5	11	
(63) Sysmex; (772) Sysmex XN series		15,9	0,23	1,5	71	0	CVPG	15,9	0,074	10%	14,3	17,5	71	
(177) Mindray; (771) MINDRAY BC 6xxx series		16,3	0,37	2,3	8	0	CVPG	16	0,64	10%	14,4	17,6	8	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		15,0	0,33	2,2	11	0	CVPG	15,4	0,54	10%	13,8	17	11	
Other					19	0						11		
							3x 1/702, 1x 12/718, 2x 46/999, 3x 157/741, 1x 157/743, 1x 177/766, 3x 177/768, 3x 179/703, 1x 204/716, 1x 205/706							
(157) MPV	[fL]				144							134	130	97%
Samples and groups														
Sample A		9,08	0,50	5,5	144							134	130	97%
(1) Abbott; (765) Abbott CELL-DYN Ruby		5,14	1,2	23	8	0	CVPG	5,32	1,1	18%	4,36	6,28	8	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		7,55	0,37	4,9	6	0	CVPG	7,64	0,49	18%	6,26	9,02	6	
(63) Sysmex; (749) Sysmex XE, XS, XT series		9,32	0,30	3,3	11	0	CVPG	9,25	0,071	18%	7,58	11	11	
(63) Sysmex; (755) Sysmex KX series		9,33	0,25	2,7	15	0	CVPG	9,25	0,071	18%	7,58	11	15	
(63) Sysmex; (772) Sysmex XN series		9,22	0,29	3,1	71	0	CVPG	9,25	0,071	18%	7,58	11	71	
(177) Mindray; (771) MINDRAY BC 6xxx series		9,10	0,15	1,6	8	0	CVPG	8,95	0,21	18%	7,33	10,6	8	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		9,42	0,44	4,7	10	0	CVPG	9,42	0,34	18%	7,72	11,2	10	
Other					15	0						5		
							1x 1/702, 2x 703, 1x 12/718, 2x 46/999, 3x 157/741, 1x 157/743, 3x 177/768, 1x 204/716, 1x 205/706							
Sample B		11,3	0,71	6,3	144							134	131	98%
(1) Abbott; (765) Abbott CELL-DYN Ruby		7,35	1,8	25	8	0	CVPG	7,58	1,5	18%	6,21	8,95	8	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		9,85	0,52	5,3	6	0	CVPG	9,85	0,50	18%	8,07	11,7	6	
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,7	0,37	3,2	11	0	CVPG	11,6	0,084	18%	9,51	13,7	11	
(63) Sysmex; (755) Sysmex KX series		11,7	0,35	3,0	15	0	CVPG	11,6	0,084	18%	9,51	13,7	15	
(63) Sysmex; (772) Sysmex XN series		11,5	0,34	2,9	71	0	CVPG	11,6	0,084	18%	9,51	13,7	71	
(177) Mindray; (771) MINDRAY BC 6xxx series		11,7	0,30	2,5	8	0	CVPG	11,5	0,37	18%	9,43	13,6	8	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		10,6	0,59	5,5	10	0	CVPG	10,6	0,46	18%	8,69	12,6	10	
Other					15	0						5		
							1x 1/702, 2x 703, 1x 12/718, 2x 46/999, 3x 157/741, 1x 157/743, 3x 177/768, 1x 204/716, 1x 205/706							
(158) PDW [%]	[%]				21							11	9	82%
Samples and groups														
Sample A		26,4	15	55	21							11	10	91%

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/21 - Blood Count

Deadline: 10.09.2021

Test	[unit]						Comparability								
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(158) PDW [%]					21							11	9	82%	
Samples and groups	[%]														
Sample A		26,4	15	55	21							11	10	91%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,4	0,22	1,4	5	0	CVPG	16,4	0,63	15%	13,9	18,9	5		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		41,2	4,8	12	6	0	CVPG	41,2	6,7	15%	35	47,4	6		
Other					10	0							0		
								2x 703, 2x 46/999, 3x 157/741, 1x 157/743, 1x 204/716, 1x 205/706							
Sample B		28,9	17	60	21							11	10	91%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,9	0,22	1,3	5	0	CVPG	16,9	0,63	15%	14,3	19,5	5		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		49,9	5,2	10	6	0	CVPG	49,9	7,2	15%	42,4	57,4	6		
Other					10	0							0		
								2x 703, 2x 46/999, 3x 157/741, 1x 157/743, 1x 204/716, 1x 205/706							
(165) PDW [fL]					96							96	88	92%	
Samples and groups	[fL]														
Sample A		10,0	0,73	7,3	96							96	90	94%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,2	0,69	6,7	11	0	CVPG	10	0,18	15%	8,5	11,5	11		
(63) Sysmex; (755) Sysmex KX series		11,2	0,46	4,1	14	0	CVPG	10	0,18	15%	8,5	11,5	14		
(63) Sysmex; (772) Sysmex XN series		9,81	0,56	5,7	71	0	CVPG	10	0,18	15%	8,5	11,5	71		
Sample B		14,6	1,1	7,6	96							96	90	94%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		14,9	1,0	6,9	11	0	CVPG	14,6	0,28	15%	12,4	16,8	11		
(63) Sysmex; (755) Sysmex KX series		15,6	0,67	4,3	14	0	CVPG	14,6	0,28	15%	12,4	16,8	14		
(63) Sysmex; (772) Sysmex XN series		14,3	1,0	7,3	71	0	CVPG	14,6	0,28	15%	12,4	16,8	71		
(166) PDW [-]					15							15	15	100%	
Samples and groups	[-]														
Sample A		17,0	1,8	10	15							15	15	100%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		18,9	1,0	5,5	6	0	CVPG	18,9	1,4	15%	16	21,8	6		
(177) Mindray; (771) MINDRAY BC 6xxx series		15,9	0,22	1,4	8	0	CVPG	15,9	0,27	15%	13,5	18,3	8		
Other					1	0							1		
								1x 177/768							
Sample B		17,6	2,2	13	15							15	15	100%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		19,9	0,37	1,9	6	0	CVPG	19,9	0,52	15%	16,9	22,9	6		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,1	0,074	0,46	8	0	CVPG	16,1	0,092	15%	13,6	18,6	8		
Other					1	0							1		
								1x 177/768							
(160) Neutrophiles					121							121	112	93%	
Samples and groups	f·10(exp9)/L														
Sample A		1,53	0,08	5,2	121		CVP	1,53	0,018	25%	1,14	1,92	121	112	93%
(737) Siemens Advia 120, 2120, 2120i		1,71	0,16	9,1	10	0							10		
(749) Sysmex XE, XS, XT series		1,54	0,08	5,2	11	0							11		
(765) Abbott CELL-DYN Ruby		1,02	0,097	9,5	8	2							8		
(771) MINDRAY BC 6xxx series		1,66	0,059	3,6	7	0							7		
(772) Sysmex XN series		1,53	0,047	3,1	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,54	0,054	3,5	6	0							6		
Other					8	0							8		
								2x 702, 3x 703, 2x 768, 1x 999							
Sample B		5,56	0,21	3,8	121		CVP	5,56	0,048	25%	4,17	6,95	121	121	100%
(737) Siemens Advia 120, 2120, 2120i		5,61	0,23	4,1	10	0							10		
(749) Sysmex XE, XS, XT series		5,56	0,20	3,6	11	0							11		
(765) Abbott CELL-DYN Ruby		4,58	0,59	13	8	0							8		
(771) MINDRAY BC 6xxx series		5,80	0,24	4,2	7	0							7		
(772) Sysmex XN series		5,60	0,15	2,7	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,37	0,39	7,3	6	0							6		
Other					8	0							8		
								2x 702, 3x 703, 2x 768, 1x 999							
(161) Lymphocytes					122							122	110	90%	
Samples and groups	f·10(exp9)/L														
Sample A		2,52	0,11	4,4	122		CVP	2,52	0,025	25%	1,89	3,15	122	119	98%
(737) Siemens Advia 120, 2120, 2120i		2,32	0,14	6,2	10	0							10		
(749) Sysmex XE, XS, XT series		2,55	0,085	3,3	12	0							12		
(765) Abbott CELL-DYN Ruby		2,94	0,16	5,6	8	0							8		
(771) MINDRAY BC 6xxx series		2,60	0,10	4,0	7	0							7		
(772) Sysmex XN series		2,50	0,076	3,0	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,38	0,11	4,7	6	0							6		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/21 - Blood Count

Deadline: 10.09.2021

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	r.10(exp9)/L]				122							122	110	90%
Samples and groups														
Sample A		2,52	0,11	4,4	122	CVP	2,52	0,025	25%	1,89	3,15	122	119	98%
Other					9	1						9		
Sample B		1,02	0,073	7,2	122	CVP	1,02	0,016	25%	0,765	1,28	122	111	91%
(737) Siemens Advia 120, 2120, 2120i		0,890	0,045	5,0	10	1						10		
(749) Sysmex XE, XS, XT series		1,02	0,057	5,6	12	0						12		
(765) Abbott CELL-DYN Ruby		1,66	0,28	17	8	0						8		
(771) MINDRAY BC 6xxx series		1,07	0,10	9,7	7	0						7		
(772) Sysmex XN series		1,01	0,044	4,4	70	0						70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,928	0,11	11	6	0						6		
Other					9	1						9		
							2x 702, 3x 703, 1x 755, 2x 768, 1x 999							
(162) Monocytes	r.10(exp9)/L]				121							121	118	98%
Samples and groups														
Sample A		0,388	0,058	15	121	CVP	0,388	0,013	50%	0,194	0,582	121	119	98%
(737) Siemens Advia 120, 2120, 2120i		0,301	0,04	13	10	0						10		
(749) Sysmex XE, XS, XT series		0,399	0,042	11	11	0						11		
(765) Abbott CELL-DYN Ruby		0,362	0,078	22	8	0						8		
(771) MINDRAY BC 6xxx series		0,230	0,089	39	7	0						7		
(772) Sysmex XN series		0,413	0,032	7,8	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,359	0,062	17	6	0						6		
Other					8	0						8		
Sample B		0,570	0,075	13	121	CVP	0,57	0,017	50%	0,285	0,855	121	120	99%
(737) Siemens Advia 120, 2120, 2120i		0,418	0,042	9,9	10	0						10		
(749) Sysmex XE, XS, XT series		0,634	0,044	7,0	11	0						11		
(765) Abbott CELL-DYN Ruby		0,584	0,065	11	8	0						8		
(771) MINDRAY BC 6xxx series		0,395	0,067	17	7	0						7		
(772) Sysmex XN series		0,593	0,04	6,7	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,550	0,074	13	6	0						6		
Other					8	0						8		
							2x 702, 3x 703, 2x 768, 1x 999							
(163) Eosinophils	r.10(exp9)/L]				121							121	116	96%
Samples and groups														
Sample A		0,129	0,021	17	121	CVP	0,129	,0047	50%	0,064	0,194	121	118	98%
(737) Siemens Advia 120, 2120, 2120i		0,083	0,014	16	10	0						10		
(749) Sysmex XE, XS, XT series		0,146	0,022	15	11	0						11		
(765) Abbott CELL-DYN Ruby		0,123	0,013	11	8	0						8		
(771) MINDRAY BC 6xxx series		0,145	0,022	15	7	0						7		
(772) Sysmex XN series		0,132	0,014	10	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,129	0,042	33	6	0						6		
Other					8	0						8		
Sample B		0,146	0,02	14	121	CVP	0,146	,0045	50%	0,073	0,219	121	118	98%
(737) Siemens Advia 120, 2120, 2120i		0,147	0,02	14	10	0						10		
(749) Sysmex XE, XS, XT series		0,167	0,037	22	11	0						11		
(765) Abbott CELL-DYN Ruby		0,149	0,027	18	8	0						8		
(771) MINDRAY BC 6xxx series		0,150	0,015	9,9	7	0						7		
(772) Sysmex XN series		0,147	0,017	11	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,116	0,024	20	6	0						6		
Other					8	0						8		
							2x 702, 3x 703, 2x 768, 1x 999							
(164) Basophiles	r.10(exp9)/L]				121							121	120	99%
Samples and groups														
Sample A		0,053	0,019	35	121	CVP	0,053	,0042	asym.	0	0,138	121	120	99%
(737) Siemens Advia 120, 2120, 2120i		0,072	0,028	39	10	0						10		
(749) Sysmex XE, XS, XT series		0,034	0,013	38	11	0						11		
(765) Abbott CELL-DYN Ruby		0,123	0,015	12	8	0						8		
(771) MINDRAY BC 6xxx series		0,045	0,052	120	7	0						7		
(772) Sysmex XN series		0,052	0,009	19	71	0						71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,029	0,043	150	6	0						6		
Other					8	0						8		
Sample B		0,045	0,023	51	121	CVP	0,045	,0051	asym.	0	0,22	121	121	100%
(737) Siemens Advia 120, 2120, 2120i		0,043	0,018	41	10	0						10		
(749) Sysmex XE, XS, XT series		0,023	0,014	58	11	0						11		
(765) Abbott CELL-DYN Ruby		0,119	0,043	36	8	0						8		
(771) MINDRAY BC 6xxx series		0,030	0,045	150	7	0						7		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO5/21 - Blood Count

Deadline: 10.09.2021

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					121							121	120	99%	
Samples and groups	f.10(exp9)/L														
Sample B		0,045	0,023	51	121		CVP	0,045	,0051	asym.	0	0,22	121	121	100%
(772) Sysmex XN series		0,046	0,016	36	71	0							71		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,064	0,054	85	6	0							6		
Other					8	0							8		
															2x 702, 3x 703, 2x 768, 1x 999
st_kn_p							End of report								Printed: 18.09.2021