

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO4/22 - Blood Count

Deadline: 24.06.2022

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					155							155	152	98%
— Samples and groups	r.10(exp9)/L]													
Sample A		5,62	0,20	3,6	155	CVP	5,62	0,040	15%	4,77	6,47	155	153	99%
(702) Abbott CELL-DYN Emerald		5,40	0,15	2,7	5	0						5		
(741) Nihon Kohden Celltac Alfa		5,50	0,30	5,4	6	0						6		
(749) Sysmex XE, XS, XT series		5,58	0,21	3,7	6	0						6		
(755) Sysmex KX series		5,50	0,30	5,4	7	0						7		
(765) Abbott CELL-DYN Ruby		5,47	0,59	11	8	0						8		
(766) MINDRAY BC 2xxx, 3xxx series		5,50	0,44	8,1	8	0						8		
(768) MINDRAY BC 5xxx series		5,69	0,31	5,4	11	0						11		
(771) MINDRAY BC 6xxx series		5,71	0,17	2,9	25	0						25		
(772) Sysmex XN series		5,68	0,12	2,1	63	0						63		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,25	0,074	1,4	9	0						9		
Other					7	0						7		
							1x 706, 2x 737, 1x 744, 3x 763							
Sample B		7,64	0,28	3,7	155	CVP	7,64	0,056	15%	6,49	8,79	155	153	99%
(702) Abbott CELL-DYN Emerald		7,20	0,15	2,1	5	0						5		
(741) Nihon Kohden Celltac Alfa		7,40	0,15	2,0	6	0						6		
(749) Sysmex XE, XS, XT series		7,56	0,36	4,7	6	0						6		
(755) Sysmex KX series		7,45	0,37	5,0	7	0						7		
(765) Abbott CELL-DYN Ruby		7,70	0,29	3,8	8	0						8		
(766) MINDRAY BC 2xxx, 3xxx series		7,35	0,52	7,1	8	0						8		
(768) MINDRAY BC 5xxx series		7,66	0,41	5,4	11	1						11		
(771) MINDRAY BC 6xxx series		7,84	0,17	2,2	25	0						25		
(772) Sysmex XN series		7,74	0,14	1,9	63	0						63		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		7,20	0,15	2,1	9	0						9		
Other					7	0						7		
							1x 706, 2x 737, 1x 744, 3x 763							
(151) RBC					155							155	152	98%
— Samples and groups	r.10(exp12)/L]													
Sample A		4,04	0,078	1,9	155	CVP	4,04	0,015	7%	3,75	4,33	155	154	99%
(702) Abbott CELL-DYN Emerald		3,96	0,059	1,5	5	0						5		
(741) Nihon Kohden Celltac Alfa		4,11	0,10	2,5	6	0						6		
(749) Sysmex XE, XS, XT series		4,13	0,015	0,36	6	0						6		
(755) Sysmex KX series		4,09	0,052	1,3	7	0						7		
(765) Abbott CELL-DYN Ruby		4,03	0,14	3,5	8	0						8		
(766) MINDRAY BC 2xxx, 3xxx series		3,87	0,13	3,3	8	0						8		
(768) MINDRAY BC 5xxx series		4,03	0,19	4,7	11	0						11		
(771) MINDRAY BC 6xxx series		4,05	0,074	1,8	25	0						25		
(772) Sysmex XN series		4,03	0,046	1,1	63	0						63		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,01	0,059	1,5	9	0						9		
Other					7	0						7		
							1x 706, 2x 737, 1x 744, 3x 763							
Sample B		3,68	0,068	1,9	155	CVP	3,68	0,013	7%	3,42	3,94	155	152	98%
(702) Abbott CELL-DYN Emerald		3,61	0,059	1,6	5	0						5		
(741) Nihon Kohden Celltac Alfa		3,77	0,067	1,8	6	0						6		
(749) Sysmex XE, XS, XT series		3,78	0,022	0,59	6	0						6		
(755) Sysmex KX series		3,73	0,045	1,2	7	0						7		
(765) Abbott CELL-DYN Ruby		3,68	0,11	3,0	8	0						8		
(766) MINDRAY BC 2xxx, 3xxx series		3,58	0,11	3,1	8	0						8		
(768) MINDRAY BC 5xxx series		3,64	0,17	4,7	11	0						11		
(771) MINDRAY BC 6xxx series		3,69	0,059	1,6	25	0						25		
(772) Sysmex XN series		3,67	0,046	1,2	63	0						63		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,68	0,022	0,60	9	0						9		
Other					7	0						7		
							1x 706, 2x 737, 1x 744, 3x 763							
(152) Haemoglobin					160							160	158	99%
— Samples and groups	[g/L]													
Sample A		119	2,0	1,6	160	CVP	119	0,38	6%	111	127	160	159	99%
(702) Abbott CELL-DYN Emerald		123	2,2	1,8	5	0						5		
(741) Nihon Kohden Celltac Alfa		119	3,0	2,5	6	0						6		
(749) Sysmex XE, XS, XT series		121	0,74	0,62	6	0						6		
(755) Sysmex KX series		118	2,2	1,9	7	0						7		
(765) Abbott CELL-DYN Ruby		120	1,5	1,2	8	0						8		

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EQA round: KO4/22 - 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]				160								160	158	99%
Samples and groups															
Sample A		119	2,0	1,6	160	CVP	119	0,38	6%	111	127	160	159	99%	
(766) MINDRAY BC 2xxx, 3xxx series		118	4,4	3,8	8	0									8
(768) MINDRAY BC 5xxx series		120	3,2	2,7	11	0									11
(771) MINDRAY BC 6xxx series		120	1,00	0,87	25	0									25
(772) Sysmex XN series		119	1,6	1,3	63	0									63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		119	2,2	1,9	9	0									9
(999) another system		121	1,5	1,2	5	0									5
Other					7	0									7
1x 706, 2x 737, 1x 744, 3x 763															
Sample B		109	1,7	1,6	160	CVP	109	0,33	6%	102	116	160	158	99%	
(702) Abbott CELL-DYN Emerald		112	1,5	1,3	5	0									5
(741) Nihon Kohden Celltac Alfa		110	3,0	2,7	6	0									6
(749) Sysmex XE, XS, XT series		111	0,740	0,67	6	0									6
(755) Sysmex KX series		109	1,5	1,4	7	0									7
(765) Abbott CELL-DYN Ruby		110	3,0	2,7	8	0									8
(766) MINDRAY BC 2xxx, 3xxx series		108	3,0	2,7	8	0									8
(768) MINDRAY BC 5xxx series		111	3,6	3,2	11	0									11
(771) MINDRAY BC 6xxx series		110	0,810	0,74	25	0									25
(772) Sysmex XN series		109	1,2	1,1	63	0									63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		109	1,5	1,4	9	0									9
(999) another system		111	1,5	1,3	5	0									5
Other					7	0									7
1x 706, 2x 737, 1x 744, 3x 763															
(153) HCT	[-]				153								153	150	98%
Samples and groups															
Sample A		0,391	0,015	3,9	153	CVP	0,391	0,030	10%	0,351	0,431	153	152	99%	
(702) Abbott CELL-DYN Emerald		0,373	0,0020	0,59	5	0									5
(741) Nihon Kohden Celltac Alfa		0,367	0,02	5,5	6	0									6
(749) Sysmex XE, XS, XT series		0,403	0,01	2,6	6	0									6
(755) Sysmex KX series		0,395	0,0030	0,94	7	0									7
(765) Abbott CELL-DYN Ruby		0,380	0,016	4,1	8	0									8
(766) MINDRAY BC 2xxx, 3xxx series		0,367	0,016	4,4	8	0									8
(768) MINDRAY BC 5xxx series		0,383	0,018	4,8	10	0									10
(771) MINDRAY BC 6xxx series		0,387	0,012	3,1	25	0									25
(772) Sysmex XN series		0,401	0,005	1,2	62	0									62
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,378	0,0030	0,98	9	0									9
Other					7	0									7
1x 706, 2x 737, 1x 744, 3x 763															
Sample B		0,362	0,016	4,4	153	CVP	0,362	0,032	10%	0,325	0,399	153	150	98%	
(702) Abbott CELL-DYN Emerald		0,340	0,008	2,4	5	0									5
(741) Nihon Kohden Celltac Alfa		0,333	0,011	3,3	6	0									6
(749) Sysmex XE, XS, XT series		0,375	0,007	2,0	6	0									6
(755) Sysmex KX series		0,364	0,005	1,4	7	0									7
(765) Abbott CELL-DYN Ruby		0,351	0,016	4,6	8	0									8
(766) MINDRAY BC 2xxx, 3xxx series		0,344	0,009	2,8	8	0									8
(768) MINDRAY BC 5xxx series		0,346	0,017	4,9	10	0									10
(771) MINDRAY BC 6xxx series		0,356	0,013	3,7	25	0									25
(772) Sysmex XN series		0,373	0,006	1,7	62	0									62
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,353	0,005	1,5	9	0									9
Other					7	0									7
1x 706, 2x 737, 1x 744, 3x 763															
(154) MCV	[fL]				154								154	150	97%
Samples and groups															
Sample A		96,9	3,3	3,4	154	CVP	96,9	0,65	10%	87,2	107	154	151	98%	
(702) Abbott CELL-DYN Emerald		94,0	1,7	1,8	5	0									5
(741) Nihon Kohden Celltac Alfa		86,4	1,2	1,4	5	0									5
(749) Sysmex XE, XS, XT series		98,3	3,7	3,8	6	0									6
(755) Sysmex KX series		97,1	1,8	1,8	7	0									7
(765) Abbott CELL-DYN Ruby		94,9	2,8	3,0	8	0									8
(766) MINDRAY BC 2xxx, 3xxx series		94,0	3,7	3,9	8	0									8
(768) MINDRAY BC 5xxx series		94,4	2,7	2,8	11	0									11
(771) MINDRAY BC 6xxx series		95,4	1,9	2,0	25	0									25
(772) Sysmex XN series		99,5	1,3	1,3	63	0									63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		94,4	1,3	1,4	9	0									9
Other					7	0									7
1x 706, 2x 737, 1x 744, 3x 763															
Sample B		98,2	4,0	4,1	154	CVP	98,2	0,79	10%	88,3	109	154	150	97%	
(702) Abbott CELL-DYN Emerald		94,0	0,820	0,87	5	0									5

Summary statistics - quantitative results

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EQA round: KO4/22 - Blood Count

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Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(154) MCV	[fL]				154							154	150	97%
Samples and groups														
Sample B		98,2	4,0	4,1	154	CVP	98,2	0,79	10%	88,3	109	154	150	97%
(741) Nihon Kohden Celltac Alfa		86,6	1,1	1,3	5	0								5
(749) Sysmex XE, XS, XT series		99,9	3,3	3,3	6	0								6
(755) Sysmex KX series		97,4	2,0	2,1	7	0								7
(765) Abbott CELL-DYN Ruby		95,8	2,7	2,8	8	0								8
(766) MINDRAY BC 2xxx, 3xxx series		93,9	3,7	3,9	8	0								8
(768) MINDRAY BC 5xxx series		94,5	3,5	3,7	11	0								11
(771) MINDRAY BC 6xxx series		96,6	2,4	2,4	25	0								25
(772) Sysmex XN series		102	1,5	1,5	63	0								63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		96,0	1,6	1,7	9	0								9
Other					7	0								7
1x 706, 2x 737, 1x 744, 3x 763														
(155) Platelets	f.10(exp9)/L]				155							155	153	99%
Samples and groups														
Sample A		220	11	5,1	155	CVP	220	2,2	20%	176	264	155	153	99%
(702) Abbott CELL-DYN Emerald		220	29	13	5	0								5
(741) Nihon Kohden Celltac Alfa		218	2,2	1,0	6	0								6
(749) Sysmex XE, XS, XT series		220	4,4	2,0	6	0								6
(755) Sysmex KX series		214	7,4	3,5	7	0								7
(765) Abbott CELL-DYN Ruby		203	8,9	4,4	8	0								8
(766) MINDRAY BC 2xxx, 3xxx series		216	8,9	4,1	9	0								9
(768) MINDRAY BC 5xxx series		215	16	7,5	10	0								10
(771) MINDRAY BC 6xxx series		228	6,4	2,8	25	0								25
(772) Sysmex XN series		223	7,6	3,4	63	0								63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		212	6,7	3,2	9	0								9
Other					7	0								7
1x 706, 2x 737, 1x 744, 3x 763														
Sample B		342	15	4,5	155	CVP	342	3,0	20%	273	411	155	154	99%
(702) Abbott CELL-DYN Emerald		328	13	3,8	5	0								5
(741) Nihon Kohden Celltac Alfa		343	8,2	2,4	6	0								6
(749) Sysmex XE, XS, XT series		345	5,2	1,5	6	0								6
(755) Sysmex KX series		341	20	5,9	7	0								7
(765) Abbott CELL-DYN Ruby		309	8,9	2,9	8	0								8
(766) MINDRAY BC 2xxx, 3xxx series		339	12	3,5	9	0								9
(768) MINDRAY BC 5xxx series		333	28	8,5	10	0								10
(771) MINDRAY BC 6xxx series		355	10	2,8	25	0								25
(772) Sysmex XN series		346	8,6	2,5	63	0								63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		328	12	3,6	9	0								9
Other					7	0								7
1x 706, 2x 737, 1x 744, 3x 763														
(156) RDW	[%]				140							134	132	99%
Samples and groups														
Sample A		15,6	0,57	3,7	140							134	134	100%
(1) Abbott; (702) Abbott CELL-DYN Emerald		14,0	0,44	3,2	5	0	CVPG	14,5	0,40	10%	13	16		5
(1) Abbott; (765) Abbott CELL-DYN Ruby		14,7	0,52	3,5	8	0	CVPG	14,5	0,40	10%	13	16		8
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		17,4	0,22	1,3	9	0	CVPG	17,4	0,27	10%	15,6	19,2		9
(63) Sysmex; (749) Sysmex XE, XS, XT series		16,1	0,37	2,3	6	0	CVPG	15,6	0,065	10%	14	17,2		6
(63) Sysmex; (772) Sysmex XN series		15,6	0,19	1,2	61	0	CVPG	15,6	0,065	10%	14	17,2		61
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,5	1,3	8,2	6	0	CVPG	15,9	0,20	10%	14,3	17,5		6
(177) Mindray; (768) MINDRAY BC 5xxx series		15,6	0,76	4,8	10	0	CVPG	15,9	0,20	10%	14,3	17,5		10
(177) Mindray; (771) MINDRAY BC 6xxx series		16,0	0,29	1,8	23	0	CVPG	15,9	0,20	10%	14,3	17,5		23
Other					12	0								6
3x 1/763, 3x 63/755, 3x 157/741, 2x 179/737, 1x 205/706														
Sample B		15,6	0,63	4,0	140							134	132	99%
(1) Abbott; (702) Abbott CELL-DYN Emerald		14,6	0,67	4,6	5	0	CVPG	14,5	0,42	10%	13	16		5
(1) Abbott; (765) Abbott CELL-DYN Ruby		14,5	0,52	3,6	8	0	CVPG	14,5	0,42	10%	13	16		8
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		17,4	0,22	1,3	9	0	CVPG	17,4	0,27	10%	15,6	19,2		9
(63) Sysmex; (749) Sysmex XE, XS, XT series		15,9	0,30	1,9	6	0	CVPG	15,5	0,054	10%	13,9	17,1		6
(63) Sysmex; (772) Sysmex XN series		15,5	0,150	0,95	61	0	CVPG	15,5	0,054	10%	13,9	17,1		61
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,5	0,96	6,2	6	0	CVPG	16	0,24	10%	14,4	17,6		6

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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					140								134	132	99%	
— Samples and groups —	[%]															
Sample B		15,6	0,63	4,0	140								134	132	99%	
(177) Mindray; (768) MINDRAY BC 5xxx series		16,2	1,3	8,0	10	0	CVPG	16	0,24	10%	14,4	17,6	10			
(177) Mindray; (771) MINDRAY BC 6xxx series		16,0	0,30	1,9	23	0	CVPG	16	0,24	10%	14,4	17,6	23			
Other					12	0							6			
								3x 1/763, 3x 63/755, 3x 157/741, 2x 179/737, 1x 205/706								
(157) MPV					140								136	132	97%	
— Samples and groups —	[fL]															
Sample A		11,1	1,0	9,3	140								136	134	99%	
(1) Abbott; (702) Abbott CELL-DYN Emerald		9,50	0,30	3,1	5	0	CVPG	9,5	0,84	18%	7,79	11,3	5			
(1) Abbott; (765) Abbott CELL-DYN Ruby		7,63	1,1	14	8	0	CVPG	7,71	0,59	18%	6,32	9,1	8			
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		9,81	0,44	4,5	9	0	CVPG	9,81	0,54	18%	8,04	11,6	9			
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,4	0,44	3,9	6	0	CVPG	11,5	0,093	18%	9,43	13,6	6			
(63) Sysmex; (755) Sysmex KX series		11,5	0,22	1,9	5	0	CVPG	11,5	0,093	18%	9,43	13,6	5			
(63) Sysmex; (772) Sysmex XN series		11,5	0,31	2,7	61	0	CVPG	11,5	0,093	18%	9,43	13,6	61			
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		10,6	0,82	7,7	6	0	CVPG	11,3	0,38	18%	9,26	13,4	6			
(177) Mindray; (768) MINDRAY BC 5xxx series		10,8	1,2	11	10	0	CVPG	11,3	0,38	18%	9,26	13,4	10			
(177) Mindray; (771) MINDRAY BC 6xxx series		11,7	0,64	5,5	23	0	CVPG	11,3	0,38	18%	9,26	13,4	23			
Other					7	0							3			
								3x 1/763, 2x 157/741, 1x 179/737, 1x 205/706								
Sample B		11,0	1,1	9,8	140								136	132	97%	
(1) Abbott; (702) Abbott CELL-DYN Emerald		9,90	1,0	10	5	0	CVPG	9,9	2,9	18%	8,11	11,7	5			
(1) Abbott; (765) Abbott CELL-DYN Ruby		7,08	1,1	16	8	0	CVPG	7,37	0,67	18%	6,04	8,7	8			
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		9,75	0,22	2,3	9	0	CVPG	9,75	0,27	18%	7,99	11,6	9			
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,4	1,0	9,1	6	0	CVPG	11,4	0,13	18%	9,34	13,5	6			
(63) Sysmex; (755) Sysmex KX series		11,5	0,44	3,9	5	0	CVPG	11,4	0,13	18%	9,34	13,5	5			
(63) Sysmex; (772) Sysmex XN series		11,4	0,41	3,6	61	0	CVPG	11,4	0,13	18%	9,34	13,5	61			
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		10,3	0,82	8,0	6	0	CVPG	11,3	0,40	18%	9,26	13,4	6			
(177) Mindray; (768) MINDRAY BC 5xxx series		11,1	1,3	11	10	0	CVPG	11,3	0,40	18%	9,26	13,4	10			
(177) Mindray; (771) MINDRAY BC 6xxx series		11,6	0,84	7,2	23	0	CVPG	11,3	0,40	18%	9,26	13,4	23			
Other					7	0							3			
								3x 1/763, 2x 157/741, 1x 179/737, 1x 205/706								
(158) PDW [%]					13								9	9	100%	
— Samples and groups —	[%]															
Sample A		17,5	0,48	2,7	13								9	9	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		17,5	0,0370	0,21	9	0	CVPG	17,5	0,046	15%	14,8	20,2	9			
Other					4	0							0			
								2x 157/741, 1x 179/737, 1x 205/706								
Sample B		16,7	0,45	2,7	13								9	9	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,7	0,0740	0,45	9	0	CVPG	16,7	0,092	15%	14,1	19,3	9			
Other					4	0							0			
								2x 157/741, 1x 179/737, 1x 205/706								
(165) PDW [fL]					70								70	65	93%	
— Samples and groups —	[fL]															
Sample A		14,4	0,84	5,8	70								70	67	96%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		14,4	1,3	8,8	5	0	CVPG	14,4	0,25	15%	12,2	16,6	5			
(63) Sysmex; (755) Sysmex KX series		15,8	0,59	3,8	5	0	CVPG	14,4	0,25	15%	12,2	16,6	5			
(63) Sysmex; (772) Sysmex XN series		14,3	0,72	5,1	60	0	CVPG	14,4	0,25	15%	12,2	16,6	60			
Sample B		13,7	0,86	6,3	70								70	66	94%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,7	1,5	11	5	0	CVPG	13,7	0,25	15%	11,6	15,8	5			
(63) Sysmex; (755) Sysmex KX series		14,5	0,59	4,1	5	0	CVPG	13,7	0,25	15%	11,6	15,8	5			
(63) Sysmex; (772) Sysmex XN series		13,7	0,77	5,6	60	0	CVPG	13,7	0,25	15%	11,6	15,8	60			
(166) PDW [-]					43								43	42	98%	
— Samples and groups —	[-]															
Sample A		16,5	0,67	4,0	43								43	42	98%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		20,1	0,52	2,6	7	0	CVPG	19,9	0,62	15%	16,9	22,9	7			

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO4/22 - Blood Count

Deadline: 24.06.2022

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 [-]					43								43	42	98%	
Samples and groups																
Sample A		16,5	0,67	4,0	43								43	42	98%	
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,9	0,30	1,9	7	0	CVPG	16,3	0,12	15%	13,8	18,8		7		
(177) Mindray; (768) MINDRAY BC 5xxx series		16,8	0,96	5,8	7	0	CVPG	16,3	0,12	15%	13,8	18,8		7		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,3	0,19	1,1	21	0	CVPG	16,3	0,12	15%	13,8	18,8		21		
Other					1	0								1		
															1x 1/763	
Sample B		15,9	0,49	3,1	43								43	42	98%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		18,9	0,67	3,5	7	0	CVPG	18,9	0,51	15%	16	21,8		7		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,3	0,44	2,9	7	0	CVPG	15,8	0,098	15%	13,4	18,2		7		
(177) Mindray; (768) MINDRAY BC 5xxx series		16,1	0,52	3,2	7	0	CVPG	15,8	0,098	15%	13,4	18,2		7		
(177) Mindray; (771) MINDRAY BC 6xxx series		15,9	0,16	1,0	21	0	CVPG	15,8	0,098	15%	13,4	18,2		21		
Other					1	0								1		
															1x 1/763	
(160) Neutrophiles	f.10(exp9)/L]				118								110	108	98%	
Samples and groups																
Sample A		2,73	0,15	5,4	118								110	108	98%	
(749) Sysmex XE, XS, XT series		2,69	0,089	3,3	5	0	CVP	2,75	0,030	25%	2,06	3,44		5		
(765) Abbott CELL-DYN Ruby		2,00	0,30	15	8	0	CVPG	2	0,23	25%	1,5	2,5		0		
(768) MINDRAY BC 5xxx series		2,42	0,54	22	8	0	CVP	2,75	0,030	25%	2,06	3,44		8		
(771) MINDRAY BC 6xxx series		2,90	0,11	3,8	24	0	CVP	2,75	0,030	25%	2,06	3,44		24		
(772) Sysmex XN series		2,74	0,081	2,9	59	0	CVP	2,75	0,030	25%	2,06	3,44		59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,66	0,067	2,5	9	0	CVP	2,75	0,030	25%	2,06	3,44		9		
Other					5	0								5		
															2x 737, 3x 763	
Sample B		4,08	0,19	4,7	118								110	109	99%	
(749) Sysmex XE, XS, XT series		4,00	0,15	3,7	5	0	CVP	4,1	0,038	25%	3,07	5,13		5		
(765) Abbott CELL-DYN Ruby		2,93	0,50	17	8	0	CVPG	2,93	0,38	25%	2,19	3,67		0		
(768) MINDRAY BC 5xxx series		3,63	0,81	22	8	0	CVP	4,1	0,038	25%	3,07	5,13		8		
(771) MINDRAY BC 6xxx series		4,31	0,10	2,3	24	0	CVP	4,1	0,038	25%	3,07	5,13		24		
(772) Sysmex XN series		4,08	0,077	1,9	59	0	CVP	4,1	0,038	25%	3,07	5,13		59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,96	0,10	2,5	9	0	CVP	4,1	0,038	25%	3,07	5,13		9		
Other					5	0								5		
															2x 737, 3x 763	
(161) Lymphocytes	f.10(exp9)/L]				120								112	110	98%	
Samples and groups																
Sample A		2,35	0,10	4,5	120								112	111	99%	
(749) Sysmex XE, XS, XT series		2,36	0,0220	0,94	5	0	CVP	2,34	0,021	25%	1,75	2,93		5		
(765) Abbott CELL-DYN Ruby		2,99	0,16	5,2	8	0	CVPG	2,99	0,12	25%	2,24	3,74		0		
(768) MINDRAY BC 5xxx series		2,49	0,13	5,1	9	0	CVP	2,34	0,021	25%	1,75	2,93		9		
(771) MINDRAY BC 6xxx series		2,35	0,069	2,9	24	0	CVP	2,34	0,021	25%	1,75	2,93		24		
(772) Sysmex XN series		2,35	0,062	2,6	59	0	CVP	2,34	0,021	25%	1,75	2,93		59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,05	0,067	3,3	9	0	CVP	2,34	0,021	25%	1,75	2,93		9		
Other					6	0								6		
															2x 737, 3x 763, 1x 766	
Sample B		3,15	0,14	4,5	120								112	111	99%	
(749) Sysmex XE, XS, XT series		3,07	0,20	6,5	5	0	CVP	3,13	0,029	25%	2,34	3,92		5		
(765) Abbott CELL-DYN Ruby		4,09	0,44	11	8	0	CVPG	4,09	0,34	25%	3,06	5,12		0		
(768) MINDRAY BC 5xxx series		3,30	0,20	6,1	9	0	CVP	3,13	0,029	25%	2,34	3,92		9		
(771) MINDRAY BC 6xxx series		3,16	0,098	3,1	24	0	CVP	3,13	0,029	25%	2,34	3,92		24		
(772) Sysmex XN series		3,14	0,08	2,5	59	0	CVP	3,13	0,029	25%	2,34	3,92		59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,83	0,11	3,7	9	0	CVP	3,13	0,029	25%	2,34	3,92		9		
Other					6	0								6		
															2x 737, 3x 763, 1x 766	
(162) Monocytes	f.10(exp9)/L]				118								118	112	95%	
Samples and groups																
Sample A		0,394	0,065	17	118		CVP	0,394	0,015	50%	0,197	0,591		118	114	97%
(749) Sysmex XE, XS, XT series		0,405	0,037	9,2	5	0								5		
(765) Abbott CELL-DYN Ruby		0,358	0,10	28	8	0								8		
(768) MINDRAY BC 5xxx series		0,495	0,24	49	8	0								8		
(771) MINDRAY BC 6xxx series		0,311	0,034	11	24	0								24		
(772) Sysmex XN series		0,423	0,041	9,7	59	0								59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,393	0,01	2,6	9	0								9		
Other					5	0								5		
															2x 737, 3x 763	
Sample B		0,346	0,069	20	118		CVP	0,346	0,016	50%	0,173	0,519		118	115	97%

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO4/22 - Blood Count

Deadline: 24.06.2022

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(162) Monocytes	f.10(exp9)/L]				118								118	112	95%
Samples and groups															
Sample B		0,346	0,069	20	118		CVP	0,346	0,016	50%	0,173	0,519	118	115	97%
(749) Sysmex XE, XS, XT series		0,380	0,015	3,9	5	0							5		
(765) Abbott CELL-DYN Ruby		0,352	0,11	30	8	0							8		
(768) MINDRAY BC 5xxx series		0,485	0,24	50	8	0							8		
(771) MINDRAY BC 6xxx series		0,260	0,023	8,9	24	0							24		
(772) Sysmex XN series		0,377	0,037	9,7	59	0							59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,308	0,012	3,9	9	0							9		
Other					5	0							5		
2x 737, 3x 763															
(163) Eosinophils	f.10(exp9)/L]				118								118	111	94%
Samples and groups															
Sample A		0,112	0,014	13	118		CVP	0,112	,0032	50%	0,056	0,168	118	114	97%
(749) Sysmex XE, XS, XT series		0,120	0,000	0,00	6	0							6		
(765) Abbott CELL-DYN Ruby		0,105	0,007	7,0	8	0							8		
(768) MINDRAY BC 5xxx series		0,125	0,067	53	8	0							8		
(771) MINDRAY BC 6xxx series		0,119	0,014	12	24	0							24		
(772) Sysmex XN series		0,112	0,012	10	58	0							58		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,106	0,008	8,4	9	0							9		
Other					5	0							5		
2x 737, 3x 763															
Sample B		0,095	0,012	13	118		CVP	0,095	,0028	50%	0,047	0,143	118	111	94%
(749) Sysmex XE, XS, XT series		0,085	0,007	8,7	6	0							6		
(765) Abbott CELL-DYN Ruby		0,077	0,019	25	8	0							8		
(768) MINDRAY BC 5xxx series		0,120	0,12	99	8	0							8		
(771) MINDRAY BC 6xxx series		0,098	0,014	14	24	0							24		
(772) Sysmex XN series		0,097	0,009	9,8	58	0							58		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,092	0,013	14	9	0							9		
Other					5	0							5		
2x 737, 3x 763															
(164) Basophiles	f.10(exp9)/L]				119								119	119	100%
Samples and groups															
Sample A		0,038	0,017	45	119		CVP	0,038	,0038	asym.	0	0,169	119	119	100%
(749) Sysmex XE, XS, XT series		0,025	0,007	30	5	0							5		
(765) Abbott CELL-DYN Ruby		0,073	0,019	26	8	0							8		
(768) MINDRAY BC 5xxx series		0,015	0,007	49	9	0							9		
(771) MINDRAY BC 6xxx series		0,037	0,019	51	24	0							24		
(772) Sysmex XN series		0,041	0,009	24	59	0							59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,022	0,032	150	9	0							9		
Other					5	0							5		
2x 737, 3x 763															
Sample B		0,035	0,017	48	119		CVP	0,035	,0037	asym.	0	0,23	119	119	100%
(749) Sysmex XE, XS, XT series		0,030	0,015	49	5	0							5		
(765) Abbott CELL-DYN Ruby		0,158	0,033	21	8	0							8		
(768) MINDRAY BC 5xxx series		0,020	0,015	74	9	0							9		
(771) MINDRAY BC 6xxx series		0,020	0,011	57	24	0							24		
(772) Sysmex XN series		0,040	0,01	25	59	0							59		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,033	0,007	22	9	0							9		
Other					5	0							5		
2x 737, 3x 763															

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End of report

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