

## Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

## EQA round: KO8/22 - Blood Count

Deadline: 21.10.2022

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 <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>					
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>				AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL
<b>(150) WBC</b>					167				167	161	96%			
Samples and groups	r.10(exp9)/L]													
<b>Sample A</b>		6,61	0,31	4,8	167	CVP	6,61	0,060	15%	5,61	7,61	167	162	97%
(741) Nihon Kohden Celltac Alfa		6,50	0,27	4,1	10							10		
(749) Sysmex XE, XS, XT series		6,53	0,082	1,2	5							5		
(755) Sysmex KX series		6,60	0,30	4,5	9							9		
(765) Abbott CELL-DYN Ruby		5,64	0,37	6,6	10							10		
(766) MINDRAY BC 2xxx, 3xxx series		6,38	0,25	3,9	14							14		
(768) MINDRAY BC 5xxx series		6,20	0,85	14	7							7		
(771) MINDRAY BC 6xxx series		6,79	0,17	2,5	28							28		
(772) Sysmex XN series		6,75	0,20	3,0	66							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		6,25	0,074	1,2	5							5		
Other					13							13		
						3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999								
<b>Sample B</b>		6,31	0,26	4,1	167	CVP	6,31	0,049	15%	5,36	7,26	167	165	99%
(741) Nihon Kohden Celltac Alfa		6,18	0,21	3,4	10							10		
(749) Sysmex XE, XS, XT series		6,17	0,21	3,4	5							5		
(755) Sysmex KX series		6,35	0,22	3,5	9							9		
(765) Abbott CELL-DYN Ruby		5,79	0,20	3,5	10							10		
(766) MINDRAY BC 2xxx, 3xxx series		6,12	0,18	3,0	14							14		
(768) MINDRAY BC 5xxx series		6,00	0,66	11	7							7		
(771) MINDRAY BC 6xxx series		6,46	0,15	2,4	28							28		
(772) Sysmex XN series		6,43	0,13	2,0	66							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,95	0,074	1,2	5							5		
Other					13							13		
						3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999								
<b>(151) RBC</b>					167							167	162	97%
Samples and groups	r.10(exp12)/L]													
<b>Sample A</b>		3,59	0,07	2,0	167	CVP	3,59	0,013	7%	3,33	3,85	167	163	98%
(741) Nihon Kohden Celltac Alfa		3,64	0,047	1,3	10							10		
(749) Sysmex XE, XS, XT series		3,60	0,030	0,83	5							5		
(755) Sysmex KX series		3,64	0,052	1,4	9							9		
(765) Abbott CELL-DYN Ruby		3,59	0,073	2,0	10							10		
(766) MINDRAY BC 2xxx, 3xxx series		3,58	0,13	3,7	14							14		
(768) MINDRAY BC 5xxx series		3,55	0,22	6,3	7							7		
(771) MINDRAY BC 6xxx series		3,61	0,074	2,0	28							28		
(772) Sysmex XN series		3,56	0,051	1,4	66							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,53	0,052	1,5	5							5		
Other					13							13		
						3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999								
<b>Sample B</b>		3,72	0,069	1,9	167	CVP	3,72	0,013	7%	3,45	3,99	167	166	99%
(741) Nihon Kohden Celltac Alfa		3,79	0,039	1,0	10							10		
(749) Sysmex XE, XS, XT series		3,73	0,089	2,4	5							5		
(755) Sysmex KX series		3,77	0,037	0,99	9							9		
(765) Abbott CELL-DYN Ruby		3,72	0,041	1,1	10							10		
(766) MINDRAY BC 2xxx, 3xxx series		3,69	0,11	3,0	14							14		
(768) MINDRAY BC 5xxx series		3,67	0,22	6,1	7							7		
(771) MINDRAY BC 6xxx series		3,74	0,091	2,4	28							28		
(772) Sysmex XN series		3,70	0,046	1,2	66							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,67	0,082	2,2	5							5		
Other					13							13		
						3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999								
<b>(152) Haemoglobin</b>					172							172	168	98%
Samples and groups	[g/L]													
<b>Sample A</b>		123	2,1	1,7	172	CVP	123	0,40	6%	115	131	172	170	99%
(741) Nihon Kohden Celltac Alfa		121	3,3	2,7	10							10		
(749) Sysmex XE, XS, XT series		125	0,74	0,60	5							5		
(755) Sysmex KX series		122	0,74	0,61	9							9		
(765) Abbott CELL-DYN Ruby		126	1,9	1,5	10							10		
(766) MINDRAY BC 2xxx, 3xxx series		124	2,1	1,7	14							14		
(768) MINDRAY BC 5xxx series		124	3,5	2,8	7							7		
(771) MINDRAY BC 6xxx series		124	1,7	1,3	28							28		
(772) Sysmex XN series		122	1,4	1,2	66							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		122	0,74	0,61	5							5		

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## EQA round: KO8/22 - Blood Count

Deadline: 21.10.2022

Test	[unit]					Comparability							N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
<b>(152) Haemoglobin</b>	[g/L]				172								172	168	98%
Samples and groups															
<b>Sample A</b>		123	2,1	1,7	172	CVP	123	0,40	6%	115	131	172	170	99%	
(999) another system		126	2,2	1,8	7	0						7			
Other					11	0						11			
3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763															
<b>Sample B</b>		129	2,0	1,6	172	CVP	129	0,38	6%	121	137	172	169	98%	
(741) Nihon Kohden Celltac Alfa		132	4,5	3,4	10	0						10			
(749) Sysmex XE, XS, XT series		131	0,740,57		5	0						5			
(755) Sysmex KX series		129	0,740,58		9	0						9			
(765) Abbott CELL-DYN Ruby		130	2,5	1,9	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		130	2,6	2,0	14	0						14			
(768) MINDRAY BC 5xxx series		130	2,2	1,7	7	1						7			
(771) MINDRAY BC 6xxx series		130	2,0	1,5	28	0						28			
(772) Sysmex XN series		128	1,5	1,2	66	0						66			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		128	0,740,58		5	0						5			
(999) another system		131	2,2	1,7	7	0						7			
Other					11	0						11			
3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763															
<b>(153) HCT</b>	[-]				167							167	163	98%	
Samples and groups															
<b>Sample A</b>		0,384	0,012	3,0	167	CVP	0,384	,0022	10%	0,345	0,423	167	163	98%	
(741) Nihon Kohden Celltac Alfa		0,360	0,017	4,6	10	0						10			
(749) Sysmex XE, XS, XT series		0,388	0,011	2,9	5	0						5			
(755) Sysmex KX series		0,383	0,0030,97		9	0						9			
(765) Abbott CELL-DYN Ruby		0,383	0,008	2,3	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		0,376	0,019	5,1	14	0						14			
(768) MINDRAY BC 5xxx series		0,381	0,025	6,4	7	1						7			
(771) MINDRAY BC 6xxx series		0,381	0,009	2,5	28	0						28			
(772) Sysmex XN series		0,390	0,006	1,6	66	0						66			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,372	0,005	1,6	5	0						5			
Other					13	0						13			
3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999															
<b>Sample B</b>		0,407	0,012	3,0	167	CVP	0,407	,0024	10%	0,366	0,448	167	164	98%	
(741) Nihon Kohden Celltac Alfa		0,381	0,02	5,2	10	0						10			
(749) Sysmex XE, XS, XT series		0,411	0,0030,90		5	0						5			
(755) Sysmex KX series		0,403	0,0030,74		9	0						9			
(765) Abbott CELL-DYN Ruby		0,414	0,012	2,8	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		0,398	0,016	4,1	14	0						14			
(768) MINDRAY BC 5xxx series		0,399	0,029	7,3	7	1						7			
(771) MINDRAY BC 6xxx series		0,401	0,011	2,7	28	0						28			
(772) Sysmex XN series		0,413	0,006	1,5	66	0						66			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,397	0,008	2,1	5	0						5			
Other					13	0						13			
3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999															
<b>(154) MCV</b>	[fL]				164							164	159	97%	
Samples and groups															
<b>Sample A</b>		107	3,1	2,9	164	CVP	107	0,59	10%	96,3	118	164	161	98%	
(741) Nihon Kohden Celltac Alfa		98,6	4,4	4,5	7	0						7			
(749) Sysmex XE, XS, XT series		107	0,440,42		5	0						5			
(755) Sysmex KX series		105	0,820,78		9	0						9			
(765) Abbott CELL-DYN Ruby		107	2,0	1,8	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		106	2,5	2,4	14	0						14			
(768) MINDRAY BC 5xxx series		109	5,8	5,3	7	0						7			
(771) MINDRAY BC 6xxx series		106	2,0	1,9	28	0						28			
(772) Sysmex XN series		110	1,2	1,1	66	0						66			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		105	1,1	1,1	5	0						5			
Other					13	0						13			
3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999															
<b>Sample B</b>		109	3,0	2,8	164	CVP	109	0,58	10%	98,1	120	164	159	97%	
(741) Nihon Kohden Celltac Alfa		100	4,7	4,7	7	0						7			
(749) Sysmex XE, XS, XT series		108	0,960,89		5	0						5			
(755) Sysmex KX series		107	0,370,35		9	0						9			
(765) Abbott CELL-DYN Ruby		111	1,6	1,5	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		109	2,3	2,1	14	0						14			
(768) MINDRAY BC 5xxx series		108	4,2	3,9	7	0						7			
(771) MINDRAY BC 6xxx series		107	2,1	1,9	28	0						28			
(772) Sysmex XN series		112	1,3	1,2	66	0						66			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		108	0,590,55		5	0						5			
Other					13	0						13			
3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999															

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Test	[unit]						Comparability								
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>	
<b>(155) Platelets</b>	r.10(exp9)/L				167							167	164	98%	
Samples and groups															
<b>Sample A</b>		233	11	4,8	167	CVP	233	2,1	20%	186	280	167	164	98%	
(741) Nihon Kohden Celltac Alfa		230	17	7,4	10	0						10			
(749) Sysmex XE, XS, XT series		239	3,7	1,6	5	0						5			
(755) Sysmex KX series		243	15	6,1	9	0						9			
(765) Abbott CELL-DYN Ruby		212	11	5,1	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		230	14	5,9	14	0						14			
(768) MINDRAY BC 5xxx series		223	28	13	7	0						7			
(771) MINDRAY BC 6xxx series		239	9,3	3,9	28	0						28			
(772) Sysmex XN series		233	6,9	2,9	66	0						66			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		220	1,50	6,7	5	0						5			
Other					13	0						13			
							3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999								
<b>Sample B</b>		230	11	4,7	167	CVP	230	2,1	20%	184	276	167	165	99%	
(741) Nihon Kohden Celltac Alfa		227	10	4,6	10	0						10			
(749) Sysmex XE, XS, XT series		234	3,7	1,6	5	0						5			
(755) Sysmex KX series		225	8,2	3,6	9	0						9			
(765) Abbott CELL-DYN Ruby		210	15	7,0	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		230	9,5	4,1	14	0						14			
(768) MINDRAY BC 5xxx series		217	24	11	7	0						7			
(771) MINDRAY BC 6xxx series		237	8,9	3,7	28	0						28			
(772) Sysmex XN series		232	7,1	3,0	66	0						66			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		216	1,50	6,9	5	0						5			
Other					13	0						13			
							3x 702, 1x 706, 1x 716, 1x 718, 3x 737, 1x 743, 1x 763, 2x 999								
<b>(156) RDW</b>	[%]				151							145	140	97%	
Samples and groups															
<b>Sample A</b>		12,8	0,40	3,1	151							145	141	97%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		12,2	0,15	1,2	9	0	CVPG	12,2	0,37	10%	10,9	13,5	9		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		13,8	0,0740	0,54	5	0	CVPG	13,7	0,21	10%	12,3	15,1	5		
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,4	0,0740	0,56	5	0	CVPG	12,8	0,045	10%	11,5	14,1	5		
(63) Sysmex; (755) Sysmex KX series		12,3	0,15	1,2	6	1	CVPG	12,8	0,045	10%	11,5	14,1	6		
(63) Sysmex; (772) Sysmex XN series		12,8	0,120	0,95	64	1	CVPG	12,8	0,045	10%	11,5	14,1	64		
(157) Nihon Kohden; (741) Nihon Kohden Celltac Alfa		11,8	1,4	12	6	0	CVPG	12	1,7	10%	10,8	13,2	6		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		13,3	0,82	6,1	12	0	CVPG	12,9	0,19	10%	11,6	14,2	12		
(177) Mindray; (768) MINDRAY BC 5xxx series		12,4	0,30	2,4	5	0	CVPG	12,9	0,19	10%	11,6	14,2	5		
(177) Mindray; (771) MINDRAY BC 6xxx series		12,8	0,23	1,8	26	0	CVPG	12,9	0,19	10%	11,6	14,2	26		
Other					13	0						7			
							3x 1/702, 1x 1/763, 1x 12/718, 1x 157/743, 1x 177/999, 3x 179/737, 1x 204/716, 1x 205/706, 1x 999/999								
<b>Sample B</b>		13,2	0,46	3,5	151							145	141	97%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		12,8	0,22	1,7	9	0	CVPG	12,8	0,38	10%	11,5	14,1	9		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		14,4	0,0740	0,52	5	0	CVPG	14,3	0,21	10%	12,8	15,8	5		
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,9	0,000	0,00	5	0	CVPG	13,3	0,045	10%	11,9	14,7	5		
(63) Sysmex; (755) Sysmex KX series		13,1	0,0740	0,57	6	1	CVPG	13,3	0,045	10%	11,9	14,7	6		
(63) Sysmex; (772) Sysmex XN series		13,3	0,130	0,99	64	0	CVPG	13,3	0,045	10%	11,9	14,7	64		
(157) Nihon Kohden; (741) Nihon Kohden Celltac Alfa		11,8	1,0	8,8	6	0	CVPG	12,3	1,7	10%	11	13,6	6		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		13,6	1,0	7,5	12	0	CVPG	13,1	0,23	10%	11,7	14,5	12		
(177) Mindray; (768) MINDRAY BC 5xxx series		12,5	0,30	2,4	5	0	CVPG	13,1	0,23	10%	11,7	14,5	5		
(177) Mindray; (771) MINDRAY BC 6xxx series		13,1	0,24	1,9	26	0	CVPG	13,1	0,23	10%	11,7	14,5	26		
Other					13	0						7			
							3x 1/702, 1x 1/763, 1x 12/718, 1x 157/743, 1x 177/999, 3x 179/737, 1x 204/716, 1x 205/706, 1x 999/999								
<b>(157) MPV</b>	[fL]				149							144	137	95%	
Samples and groups															
<b>Sample A</b>		9,27	0,68	7,4	149							144	138	96%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		5,88	0,47	8,1	8	0	CVPG	6,4	0,81	18%	5,24	7,56	8		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		7,80	0,15	1,9	5	0	CVPG	7,99	0,59	18%	6,55	9,43	5		
(63) Sysmex; (749) Sysmex XE, XS, XT series		9,70	0,44	4,6	5	0	CVPG	9,66	0,063	18%	7,92	11,4	5		

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Test	[unit]						Comparability						N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>	
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL					
<b>(157) MPV</b>					149								144	137	95%	
Samples and groups	[fL]															
<b>Sample A</b>		9,27	0,68	7,4	149								144	138	96%	
(63) Sysmex; (755) Sysmex KX series		9,50	0,15	1,6	6	0	CVPG	9,66	0,063	18%	7,92	11,4			6	
(63) Sysmex; (772) Sysmex XN series		9,67	0,20	2,1	65	0	CVPG	9,66	0,063	18%	7,92	11,4			65	
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		8,86	0,73	8,2	11	0	CVPG	9,15	0,18	18%	7,5	10,8			11	
(177) Mindray; (768) MINDRAY BC 5xxx series		8,50	0,30	3,5	5	0	CVPG	9,15	0,18	18%	7,5	10,8			5	
(177) Mindray; (771) MINDRAY BC 6xxx series		9,32	0,31	3,4	28	0	CVPG	9,15	0,18	18%	7,5	10,8			28	
Other					16	0									11	
								3x 1/702, 1x 1/763, 1x 12/718, 4x 157/741, 1x 157/743, 1x 177/999, 2x 179/737, 1x 204/716, 1x 205/706, 1x 999/999								
<b>Sample B</b>		9,61	0,69	7,2	149								144	138	96%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		5,91	0,47	8,0	8	0	CVPG	6,47	0,88	18%	5,3	7,64			8	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		8,15	0,074	0,91	5	0	CVPG	8,48	0,78	18%	6,95	10,1			5	
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,1	0,44	4,4	5	0	CVPG	9,96	0,071	18%	8,16	11,8			5	
(63) Sysmex; (755) Sysmex KX series		9,85	0,22	2,3	6	0	CVPG	9,96	0,071	18%	8,16	11,8			6	
(63) Sysmex; (772) Sysmex XN series		9,96	0,24	2,4	65	0	CVPG	9,96	0,071	18%	8,16	11,8			65	
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		9,11	0,87	9,6	11	0	CVPG	9,56	0,21	18%	7,83	11,3			11	
(177) Mindray; (768) MINDRAY BC 5xxx series		8,90	0,44	5,0	5	0	CVPG	9,56	0,21	18%	7,83	11,3			5	
(177) Mindray; (771) MINDRAY BC 6xxx series		9,77	0,33	3,4	28	1	CVPG	9,56	0,21	18%	7,83	11,3			28	
Other					16	0									11	
								3x 1/702, 1x 1/763, 1x 12/718, 4x 157/741, 1x 157/743, 1x 177/999, 2x 179/737, 1x 204/716, 1x 205/706, 1x 999/999								
<b>(158) PDW [%]</b>					11								5	5	100%	
Samples and groups	[%]															
<b>Sample A</b>		16,4	1,2	7,4	11								5	5	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,2	0,074	0,46	5	0	CVPG	16,2	0,21	15%	13,7	18,7			5	
Other					6	0									0	
								4x 157/741, 1x 204/716, 1x 205/706								
<b>Sample B</b>		16,1	1,3	8,4	11								5	5	100%	
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,1	0,074	0,46	5	0	CVPG	16,1	0,21	15%	13,6	18,6			5	
Other					6	0									0	
								4x 157/741, 1x 204/716, 1x 205/706								
<b>(165) PDW [fL]</b>					74								74	73	99%	
Samples and groups	[fL]															
<b>Sample A</b>		10,1	0,54	5,4	74								74	73	99%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,9	0,96	8,9	5	0	CVPG	10,1	0,15	15%	8,58	11,7			5	
(63) Sysmex; (755) Sysmex KX series		10,9	0,52	4,8	6	0	CVPG	10,1	0,15	15%	8,58	11,7			6	
(63) Sysmex; (772) Sysmex XN series		10,0	0,44	4,4	63	0	CVPG	10,1	0,15	15%	8,58	11,7			63	
<b>Sample B</b>		10,9	0,54	4,9	74								74	73	99%	
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,3	0,82	7,2	5	0	CVPG	10,9	0,15	15%	9,26	12,6			5	
(63) Sysmex; (755) Sysmex KX series		11,4	0,44	3,9	6	0	CVPG	10,9	0,15	15%	9,26	12,6			6	
(63) Sysmex; (772) Sysmex XN series		10,8	0,50	4,6	63	0	CVPG	10,9	0,15	15%	9,26	12,6			63	
<b>(166) PDW [-]</b>					44								44	43	98%	
Samples and groups	[-]															
<b>Sample A</b>		15,8	0,34	2,2	44								44	43	98%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		19,7	0,89	4,5	7	0	CVPG	19,6	0,85	15%	16,6	22,6			7	
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,4	0,17	1,1	10	0	CVPG	15,7	0,092	15%	13,3	18,1			10	
(177) Mindray; (771) MINDRAY BC 6xxx series		15,8	0,13	0,85	23	0	CVPG	15,7	0,092	15%	13,3	18,1			23	
Other					4	0									4	
								1x 1/763, 2x 177/768, 1x 177/999								
<b>Sample B</b>		15,6	0,28	1,8	44								44	43	98%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		19,6	0,59	3,0	7	0	CVPG	19,3	0,85	15%	16,4	22,2			7	
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,3	0,27	1,8	10	0	CVPG	15,6	0,068	15%	13,2	18			10	
(177) Mindray; (771) MINDRAY BC 6xxx series		15,7	0,12	0,78	23	0	CVPG	15,6	0,068	15%	13,2	18			23	
Other					4	0									4	
								1x 1/763, 2x 177/768, 1x 177/999								

## Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

## EQA round: KO8/22 - Blood Count

Deadline: 21.10.2022

Test	[unit]						Comparability							
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
<b>(160) Neutrophiles</b>	$\cdot 10^{(exp9)/L}$				119							110	105	95%
Samples and groups														
<b>Sample A</b>		4,15	0,29	6,9	119							110	105	95%
(765) Abbott CELL-DYN Ruby		2,11	0,46	2,2	9	0	CVPG	2,11	0,57	25%	1,58	2,64		0
(771) MINDRAY BC 6xxx series		4,42	0,12	2,8	25	0	CVP	4,2	0,053	25%	3,15	5,25		25
(772) Sysmex XN series		4,19	0,16	3,8	63	0	CVP	4,2	0,053	25%	3,15	5,25		63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,94	0,12	3,1	5	0	CVP	4,2	0,053	25%	3,15	5,25		5
Other					17	0								17
----- 1x 718, 3x 737, 1x 741, 1x 743, 4x 749, 1x 763, 1x 766, 3x 768, 2x 999 -----														
<b>Sample B</b>		3,33	0,21	6,4	119							110	107	97%
(765) Abbott CELL-DYN Ruby		2,50	0,22	8,9	9	0	CVPG	2,5	0,27	25%	1,87	3,13		0
(771) MINDRAY BC 6xxx series		3,57	0,094	2,6	25	0	CVP	3,36	0,042	25%	2,52	4,2		25
(772) Sysmex XN series		3,34	0,10	3,1	63	0	CVP	3,36	0,042	25%	2,52	4,2		63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,22	0,058	1,8	5	0	CVP	3,36	0,042	25%	2,52	4,2		5
Other					17	0								17
----- 1x 718, 3x 737, 1x 741, 1x 743, 4x 749, 1x 763, 1x 766, 3x 768, 2x 999 -----														
<b>(161) Lymphocytes</b>	$\cdot 10^{(exp9)/L}$				119							110	106	96%
Samples and groups														
<b>Sample A</b>		1,95	0,11	5,4	119							110	106	96%
(765) Abbott CELL-DYN Ruby		2,86	0,14	5,0	9	0	CVPG	2,86	0,18	25%	2,14	3,58		0
(771) MINDRAY BC 6xxx series		1,91	0,046	2,4	25	0	CVP	1,93	0,021	25%	1,44	2,42		25
(772) Sysmex XN series		1,94	0,078	4,0	63	0	CVP	1,93	0,021	25%	1,44	2,42		63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,80	0,088	4,9	5	0	CVP	1,93	0,021	25%	1,44	2,42		5
Other					17	0								17
----- 1x 718, 3x 737, 1x 741, 1x 743, 4x 749, 1x 755, 1x 763, 3x 768, 2x 999 -----														
<b>Sample B</b>		2,31	0,14	6,0	119							110	109	99%
(765) Abbott CELL-DYN Ruby		2,64	0,18	6,9	9	0	CVPG	2,64	0,23	25%	1,98	3,3		0
(771) MINDRAY BC 6xxx series		2,27	0,08	3,5	25	0	CVP	2,29	0,028	25%	1,71	2,87		25
(772) Sysmex XN series		2,33	0,086	3,7	63	0	CVP	2,29	0,028	25%	1,71	2,87		63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,05	0,033	1,6	5	0	CVP	2,29	0,028	25%	1,71	2,87		5
Other					17	0								17
----- 1x 718, 3x 737, 1x 741, 1x 743, 4x 749, 1x 755, 1x 763, 3x 768, 2x 999 -----														
<b>(162) Monocytes</b>	$\cdot 10^{(exp9)/L}$				119							119	112	94%
Samples and groups														
<b>Sample A</b>		0,408	0,072	18	119		CVP	0,408	0,016	50%	0,204	0,612		119 114 96%
(765) Abbott CELL-DYN Ruby		0,380	0,047	12	9	0								9
(771) MINDRAY BC 6xxx series		0,335	0,038	11	25	0								25
(772) Sysmex XN series		0,442	0,043	9,6	63	0								63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,392	0,053	13	5	0								5
Other					17	0								17
----- 1x 718, 3x 737, 1x 741, 1x 743, 4x 749, 1x 763, 1x 766, 3x 768, 2x 999 -----														
<b>Sample B</b>		0,582	0,093	16	119		CVP	0,582	0,021	50%	0,291	0,873		119 115 97%
(765) Abbott CELL-DYN Ruby		0,477	0,034	7,1	9	0								9
(771) MINDRAY BC 6xxx series		0,504	0,039	7,8	25	0								25
(772) Sysmex XN series		0,627	0,055	8,8	63	0								63
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,573	0,022	3,9	5	0								5
Other					17	0								17
----- 1x 718, 3x 737, 1x 741, 1x 743, 4x 749, 1x 763, 1x 766, 3x 768, 2x 999 -----														
<b>(163) Eosinophils</b>	$\cdot 10^{(exp9)/L}$				117							117	114	97%
Samples and groups														
<b>Sample A</b>		0,097	0,017	18	117		CVP	0,097	,0038	asym.	0	0,199		117 114 97%
(749) Sysmex XE, XS, XT series		0,090	0,015	16	5	0								5
(765) Abbott CELL-DYN Ruby		0,051	0,006	13	9	0								9
(771) MINDRAY BC 6xxx series		0,099	0,016	16	25	0								25
(772) Sysmex XN series		0,096	0,011	11	62	0								62
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,093	0,008	9,6	5	0								5
Other					11	0								11
----- 1x 718, 3x 737, 1x 743, 1x 763, 3x 768, 2x 999 -----														
<b>Sample B</b>		0,092	0,016	18	117		CVP	0,092	,0037	asym.	0	0,19		117 115 98%
(749) Sysmex XE, XS, XT series		0,110	0,045	40	5	0								5
(765) Abbott CELL-DYN Ruby		0,088	0,011	13	9	0								9
(771) MINDRAY BC 6xxx series		0,092	0,013	14	25	0								25
(772) Sysmex XN series		0,091	0,016	17	62	0								62
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,079	0,001	1,9	5	0								5
Other					11	0								11
----- 1x 718, 3x 737, 1x 743, 1x 763, 3x 768, 2x 999 -----														

## Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

## EQA round: KO8/22 - Blood Count

Deadline: 21.10.2022

Test	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability									
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>		
<b>(164) Basophiles</b>	f.10(exp9)/L]				117							117	109	93%		
Samples and groups																
<b>Sample A</b>		0,055	0,036	66	117		CVP	0,055	,0082	asym.	0	0,199	117	109	93%	
(765) Abbott CELL-DYN Ruby		0,123	0,034	28	9	0							9			
(771) MINDRAY BC 6xxx series		0,037	0,02	55	25	0							25			
(772) Sysmex XN series		0,062	0,036	58	63	0							63			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,033	0,013	39	5	0							5			
Other					15	0							15			
							1x 718, 3x 737, 1x 743, 4x 749, 1x 763, 3x 768, 2x 999									
<b>Sample B</b>		0,046	0,031	66	117		CVP	0,046	,0069	asym.	0	0,19	117	117	100%	
(765) Abbott CELL-DYN Ruby		0,111	0,029	26	9	0							9			
(771) MINDRAY BC 6xxx series		0,025	0,014	56	25	0							25			
(772) Sysmex XN series		0,051	0,024	48	63	0							63			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,041	0,01	25	5	0							5			
Other					15	0							15			
							1x 718, 3x 737, 1x 743, 4x 749, 1x 763, 3x 768, 2x 999									

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End of report

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