

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO8/21 - Blood Count

Deadline: 22.10.2021

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					172							172	167	97%
— Samples and groups	r.10(exp9)/L]													
Sample A		9,78	0,32	3,3	172	CVP	9,78	0,060	15%	8,31	11,3	172	168	98%
(702) Abbott CELL-DYN Emerald		9,30	0,15	1,6	5	0						5		
(741) Nihon Kohden Celltac Alfa		9,48	0,27	2,8	6	0						6		
(749) Sysmex XE, XS, XT series		9,78	0,28	2,9	12	0						12		
(755) Sysmex KX series		9,69	0,18	1,9	12	0						12		
(765) Abbott CELL-DYN Ruby		9,44	0,78	8,2	10	0						10		
(766) MINDRAY BC 2xxx, 3xxx series		9,42	0,49	5,2	14	0						14		
(768) MINDRAY BC 5xxx series		9,41	0,60	6,4	11	0						11		
(771) MINDRAY BC 6xxx series		9,85	0,27	2,7	23	0						23		
(772) Sysmex XN series		9,95	0,19	1,9	62	0						62		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		9,70	0,44	4,6	8	0						8		
Other					9	0						9		
							1x 706, 3x 716, 3x 737, 2x 743							
Sample B		7,75	0,37	4,7	172	CVP	7,75	0,068	15%	6,58	8,92	172	168	98%
(702) Abbott CELL-DYN Emerald		7,45	0,22	3,0	5	0						5		
(741) Nihon Kohden Celltac Alfa		7,50	0,15	2,0	6	0						6		
(749) Sysmex XE, XS, XT series		7,86	0,20	2,6	12	0						12		
(755) Sysmex KX series		7,59	0,23	3,0	12	0						12		
(765) Abbott CELL-DYN Ruby		6,87	0,41	6,0	10	0						10		
(766) MINDRAY BC 2xxx, 3xxx series		7,59	0,42	5,5	14	0						14		
(768) MINDRAY BC 5xxx series		7,56	0,65	8,5	11	0						11		
(771) MINDRAY BC 6xxx series		7,97	0,24	3,0	23	0						23		
(772) Sysmex XN series		7,90	0,21	2,7	62	0						62		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		7,75	0,37	4,8	8	0						8		
Other					9	0						9		
							1x 706, 3x 716, 3x 737, 2x 743							
(151) RBC					172							172	171	99%
— Samples and groups	r.10(exp12)/L]													
Sample A		4,05	0,064	1,6	172	CVP	4,05	0,012	7%	3,76	4,34	172	171	99%
(702) Abbott CELL-DYN Emerald		4,03	0,067	1,7	5	0						5		
(741) Nihon Kohden Celltac Alfa		4,06	0,045	1,1	6	0						6		
(749) Sysmex XE, XS, XT series		4,10	0,069	1,7	12	0						12		
(755) Sysmex KX series		4,07	0,046	1,1	12	0						12		
(765) Abbott CELL-DYN Ruby		4,10	0,071	1,7	10	0						10		
(766) MINDRAY BC 2xxx, 3xxx series		4,08	0,083	2,0	14	0						14		
(768) MINDRAY BC 5xxx series		4,02	0,13	3,1	11	0						11		
(771) MINDRAY BC 6xxx series		4,03	0,067	1,7	23	0						23		
(772) Sysmex XN series		4,04	0,045	1,1	62	0						62		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,05	0,082	2,0	8	0						8		
Other					9	0						9		
							1x 706, 3x 716, 3x 737, 2x 743							
Sample B		3,52	0,064	1,8	172	CVP	3,52	0,012	7%	3,27	3,77	172	171	99%
(702) Abbott CELL-DYN Emerald		3,51	0,074	2,1	5	0						5		
(741) Nihon Kohden Celltac Alfa		3,55	0,037	1,0	6	0						6		
(749) Sysmex XE, XS, XT series		3,53	0,039	1,1	12	0						12		
(755) Sysmex KX series		3,54	0,041	1,2	12	0						12		
(765) Abbott CELL-DYN Ruby		3,56	0,061	1,7	10	0						10		
(766) MINDRAY BC 2xxx, 3xxx series		3,57	0,075	2,1	14	0						14		
(768) MINDRAY BC 5xxx series		3,52	0,14	3,9	11	0						11		
(771) MINDRAY BC 6xxx series		3,53	0,058	1,7	23	0						23		
(772) Sysmex XN series		3,49	0,047	1,4	62	0						62		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,46	0,037	1,1	8	0						8		
Other					9	0						9		
							1x 706, 3x 716, 3x 737, 2x 743							
(152) Haemoglobin					176							176	175	99%
— Samples and groups	[g/L]													
Sample A		119	2,0	1,6	176	CVP	119	0,36	6%	111	127	176	176	100%
(702) Abbott CELL-DYN Emerald		122	2,2	1,8	5	0						5		
(741) Nihon Kohden Celltac Alfa		120	1,5	1,2	6	0						6		
(749) Sysmex XE, XS, XT series		120	1,6	1,3	11	0						11		
(755) Sysmex KX series		119	2,0	1,7	12	0						12		
(765) Abbott CELL-DYN Ruby		122	1,3	1,0	10	0						10		

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EQA round: KO8/21 - Blood Count

Deadline: 22.10.2021

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]				176								176	175	99%
Samples and groups															
Sample A		119	2,0	1,6	176	CVP	119	0,36	6%	111	127	176	176	100%	
(766) MINDRAY BC 2xxx, 3xxx series		120	2,1	1,7	14	0						14			
(768) MINDRAY BC 5xxx series		119	2,6	2,2	11	0						11			
(771) MINDRAY BC 6xxx series		119	1,2	1,0	23	0						23			
(772) Sysmex XN series		118	1,3	1,1	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		119	0,740	0,63	8	0						8			
(999) another system		121	0,740	0,62	5	0						5			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
Sample B		121	2,1	1,7	176	CVP	121	0,38	6%	113	129	176	175	99%	
(702) Abbott CELL-DYN Emerald		123	2,2	1,8	5	0						5			
(741) Nihon Kohden Celltac Alfa		123	3,0	2,4	6	0						6			
(749) Sysmex XE, XS, XT series		121	1,4	1,1	11	0						11			
(755) Sysmex KX series		120	1,9	1,6	12	0						12			
(765) Abbott CELL-DYN Ruby		123	1,3	1,1	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		122	2,0	1,7	14	0						14			
(768) MINDRAY BC 5xxx series		121	3,5	2,9	11	0						11			
(771) MINDRAY BC 6xxx series		121	1,5	1,2	23	0						23			
(772) Sysmex XN series		119	1,3	1,1	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		121	0,740	0,62	8	0						8			
(999) another system		121	0,740	0,62	5	0						5			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
(153) HCT	[-]				171							171	168	98%	
Samples and groups															
Sample A		0,386	0,016	4,2	171	CVP	0,386	,0030	10%	0,347	0,425	171	168	98%	
(702) Abbott CELL-DYN Emerald		0,377	0,013	3,5	5	0						5			
(741) Nihon Kohden Celltac Alfa		0,352	0,011	3,2	6	0						6			
(749) Sysmex XE, XS, XT series		0,389	0,011	2,7	11	0						11			
(755) Sysmex KX series		0,385	0,004	1,2	12	0						12			
(765) Abbott CELL-DYN Ruby		0,384	0,01	2,7	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		0,382	0,014	3,6	14	0						14			
(768) MINDRAY BC 5xxx series		0,385	0,026	6,7	11	0						11			
(771) MINDRAY BC 6xxx series		0,372	0,009	2,4	23	0						23			
(772) Sysmex XN series		0,397	0,006	1,7	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,378	0,012	3,1	8	0						8			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
Sample B		0,375	0,012	3,2	171	CVP	0,375	,0023	10%	0,337	0,413	171	170	99%	
(702) Abbott CELL-DYN Emerald		0,380	0,008	2,2	5	0						5			
(741) Nihon Kohden Celltac Alfa		0,351	0,013	3,8	6	0						6			
(749) Sysmex XE, XS, XT series		0,376	0,008	2,4	11	0						11			
(755) Sysmex KX series		0,370	0,005	1,5	12	0						12			
(765) Abbott CELL-DYN Ruby		0,375	0,014	3,7	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		0,376	0,014	3,6	14	0						14			
(768) MINDRAY BC 5xxx series		0,380	0,022	5,9	11	0						11			
(771) MINDRAY BC 6xxx series		0,367	0,012	3,2	23	0						23			
(772) Sysmex XN series		0,382	0,006	1,8	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,366	0,011	3,0	8	0						8			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
(154) MCV	[fL]				171							171	166	97%	
Samples and groups															
Sample A		95,3	3,6	3,8	171	CVP	95,3	0,68	10%	85,7	105	171	166	97%	
(702) Abbott CELL-DYN Emerald		94,3	0,820	0,87	5	0						5			
(741) Nihon Kohden Celltac Alfa		85,3	1,8	2,1	6	0						6			
(749) Sysmex XE, XS, XT series		94,8	1,6	1,6	11	0						11			
(755) Sysmex KX series		94,3	1,4	1,5	12	0						12			
(765) Abbott CELL-DYN Ruby		93,9	1,7	1,8	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		94,1	3,6	3,9	14	0						14			
(768) MINDRAY BC 5xxx series		95,9	5,3	5,5	11	0						11			
(771) MINDRAY BC 6xxx series		92,3	2,1	2,3	23	0						23			
(772) Sysmex XN series		98,3	1,6	1,6	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		94,0	2,0	2,1	8	0						8			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
Sample B		107	3,3	3,1	171	CVP	107	0,62	10%	96,3	118	171	168	98%	
(702) Abbott CELL-DYN Emerald		107	1,6	1,5	5	0						5			

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

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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]				171								171	166	97%
Samples and groups															
Sample B		107	3,3	3,1	171	CVP	107	0,62	10%	96,3	118	171	168	98%	
(741) Nihon Kohden Celltac Alfa		97,7	2,6	2,7	6	0						6			
(749) Sysmex XE, XS, XT series		106	1,7	1,6	11	0						11			
(755) Sysmex KX series		104	1,4	1,3	12	0						12			
(765) Abbott CELL-DYN Ruby		106	1,9	1,8	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		105	4,0	3,8	14	0						14			
(768) MINDRAY BC 5xxx series		108	4,4	4,1	11	0						11			
(771) MINDRAY BC 6xxx series		104	2,4	2,3	23	0						23			
(772) Sysmex XN series		109	1,6	1,5	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		106	2,0	1,9	8	0						8			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
(155) Platelets	1.10(exp9)/L				172								172	172	100%
Samples and groups															
Sample A		280	14	5,2	172	CVP	280	2,7	20%	224	336	172	172	100%	
(702) Abbott CELL-DYN Emerald		269	3,7	1,4	5	0						5			
(741) Nihon Kohden Celltac Alfa		296	16	5,5	6	0						6			
(749) Sysmex XE, XS, XT series		278	11	3,9	12	0						12			
(755) Sysmex KX series		272	11	4,2	12	0						12			
(765) Abbott CELL-DYN Ruby		256	11	4,3	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		277	13	4,6	14	0						14			
(768) MINDRAY BC 5xxx series		256	19	7,5	11	0						11			
(771) MINDRAY BC 6xxx series		285	7,7	2,7	23	0						23			
(772) Sysmex XN series		288	6,9	2,4	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		261	8,9	3,4	8	0						8			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
Sample B		258	11	4,3	172	CVP	258	2,1	20%	206	310	172	172	100%	
(702) Abbott CELL-DYN Emerald		265	24	9,0	5	0						5			
(741) Nihon Kohden Celltac Alfa		263	11	4,2	6	0						6			
(749) Sysmex XE, XS, XT series		255	8,4	3,3	12	0						12			
(755) Sysmex KX series		262	14	5,2	12	0						12			
(765) Abbott CELL-DYN Ruby		235	13	5,6	10	0						10			
(766) MINDRAY BC 2xxx, 3xxx series		258	12	4,5	14	0						14			
(768) MINDRAY BC 5xxx series		250	22	8,9	11	0						11			
(771) MINDRAY BC 6xxx series		266	8,6	3,2	23	0						23			
(772) Sysmex XN series		258	5,8	2,3	62	0						62			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		246	5,2	2,1	8	0						8			
Other					9	0						9			
1x 706, 3x 716, 3x 737, 2x 743															
(156) RDW	[%]				157								150	141	94%
Samples and groups															
Sample A		14,9	0,57	3,8	157							150	145	97%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		14,4	0,22	1,5	9	0	CVPG	14,4	0,24	10%	12,9	15,9	9		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,5	0,44	2,7	8	0	CVPG	16,5	0,34	10%	14,8	18,2	8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		15,3	0,30	2,0	11	0	CVPG	14,8	0,060	10%	13,3	16,3	11		
(63) Sysmex; (755) Sysmex KX series		14,0	0,30	2,1	7	1	CVPG	14,8	0,060	10%	13,3	16,3	7		
(63) Sysmex; (772) Sysmex XN series		14,8	0,15	1,0	62	0	CVPG	14,8	0,060	10%	13,3	16,3	62		
(157) Nihon Kohden; (741) Nihon Kohden Celltac Alfa		13,8	0,59	4,3	5	0	CVPG	14,2	1,1	10%	12,7	15,7	5		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,3	1,1	7,0	12	0	CVPG	15,2	0,25	10%	13,6	16,8	12		
(177) Mindray; (768) MINDRAY BC 5xxx series		15,4	1,6	11	8	0	CVPG	15,2	0,25	10%	13,6	16,8	8		
(177) Mindray; (771) MINDRAY BC 6xxx series		15,2	0,28	1,9	22	0	CVPG	15,2	0,25	10%	13,6	16,8	22		
Other					13	0						6			
4x 1/702, 2x 157/743, 3x 179/737, 3x 204/716, 1x 205/706															
Sample B		12,7	0,50	3,9	157							150	142	95%	
(1) Abbott; (765) Abbott CELL-DYN Ruby		11,7	0,44	3,8	9	0	CVPG	11,8	0,33	10%	10,6	13	9		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		13,4	0,52	3,9	8	0	CVPG	13,4	0,39	10%	12	14,8	8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		13,1	0,28	2,2	11	0	CVPG	12,8	0,051	10%	11,5	14,1	11		
(63) Sysmex; (755) Sysmex KX series		12,5	0,22	1,8	7	1	CVPG	12,8	0,051	10%	11,5	14,1	7		
(63) Sysmex; (772) Sysmex XN series		12,8	0,15	1,2	62	0	CVPG	12,8	0,051	10%	11,5	14,1	62		
(157) Nihon Kohden; (741) Nihon Kohden Celltac Alfa		11,3	0,59	5,2	5	0	CVPG	11,8	1,3	10%	10,6	13	5		

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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					157								150	141	94%
Samples and groups	[%]														
Sample B					157								150	142	95%
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		12,7	0,50	3,9	12	0	CVPG	12,7	0,32	10%	11,4	14	12		
(177) Mindray; (768) MINDRAY BC 5xxx series		13,2	2,3	17	8	0	CVPG	12,7	0,32	10%	11,4	14	8		
(177) Mindray; (771) MINDRAY BC 6xxx series		12,5	0,22	1,7	22	0	CVPG	12,7	0,32	10%	11,4	14	22		
Other					13	0							6		
								4x 1/702, 2x 157/743, 3x 179/737, 3x 204/716, 1x 205/706							
(157) MPV					154								148	137	93%
Samples and groups	[fL]														
Sample A					154								148	141	95%
(1) Abbott; (765) Abbott CELL-DYN Ruby		12,2	0,92	7,6	9	0	CVPG	8,86	1,1	18%	7,26	10,5	9		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		11,3	0,22	2,0	8	0	CVPG	11,3	0,17	18%	9,26	13,4	8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		12,6	0,37	2,9	11	0	CVPG	12,6	0,100	18%	10,3	14,9	11		
(63) Sysmex; (755) Sysmex KX series		12,8	0,52	4,1	7	0	CVPG	12,6	0,100	18%	10,3	14,9	7		
(63) Sysmex; (772) Sysmex XN series		12,6	0,36	2,9	62	0	CVPG	12,6	0,100	18%	10,3	14,9	62		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		11,2	1,5	13	11	0	CVPG	12,1	0,42	18%	9,92	14,3	11		
(177) Mindray; (768) MINDRAY BC 5xxx series		11,5	0,44	3,9	8	0	CVPG	12,1	0,42	18%	9,92	14,3	8		
(177) Mindray; (771) MINDRAY BC 6xxx series		12,8	0,63	5,0	23	0	CVPG	12,1	0,42	18%	9,92	14,3	23		
Other					15	0							9		
								3x 1/702, 4x 157/741, 2x 157/743, 2x 179/737, 3x 204/716, 1x 205/706							
Sample B					154								148	139	94%
(1) Abbott; (765) Abbott CELL-DYN Ruby		9,27	0,85	9,2	9	0	CVPG	6,18	1,0	18%	5,06	7,3	9		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		8,10	0,30	3,7	8	0	CVPG	8,1	0,23	18%	6,64	9,56	8		
(63) Sysmex; (749) Sysmex XE, XS, XT series		9,82	0,27	2,8	11	0	CVPG	9,77	0,063	18%	8,01	11,6	11		
(63) Sysmex; (755) Sysmex KX series		9,50	0,30	3,1	7	0	CVPG	9,77	0,063	18%	8,01	11,6	7		
(63) Sysmex; (772) Sysmex XN series		9,78	0,21	2,2	62	0	CVPG	9,77	0,063	18%	8,01	11,6	62		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		8,82	1,0	11	11	0	CVPG	9,04	0,26	18%	7,41	10,7	11		
(177) Mindray; (768) MINDRAY BC 5xxx series		8,50	0,44	5,2	8	0	CVPG	9,04	0,26	18%	7,41	10,7	8		
(177) Mindray; (771) MINDRAY BC 6xxx series		9,31	0,41	4,4	23	0	CVPG	9,04	0,26	18%	7,41	10,7	23		
Other					15	0							9		
								3x 1/702, 4x 157/741, 2x 157/743, 2x 179/737, 3x 204/716, 1x 205/706							
(158) PDW [%]					15								11	11	100%
Samples and groups	[%]														
Sample A					15								11	11	100%
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,7	0,76	4,5	6	0	CVPG	16,6	0,31	15%	14,1	19,1	6		
Other					9	0							5		
								4x 157/741, 1x 157/743, 1x 179/737, 2x 204/716, 1x 205/706							
Sample B					15								11	11	100%
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		16,2	1,2	7,5	6	0	CVPG	16,2	0,10	15%	13,7	18,7	6		
Other					9	0							5		
								4x 157/741, 1x 157/743, 1x 179/737, 2x 204/716, 1x 205/706							
(165) PDW [fL]					78								78	76	97%
Samples and groups	[fL]														
Sample A					78								78	77	99%
(63) Sysmex; (749) Sysmex XE, XS, XT series		16,3	0,80	4,9	11	0	CVPG	16,3	0,22	15%	13,8	18,8	11		
(63) Sysmex; (755) Sysmex KX series		17,3	1,5	8,6	7	0	CVPG	16,3	0,22	15%	13,8	18,8	7		
(63) Sysmex; (772) Sysmex XN series		16,2	0,79	4,9	60	0	CVPG	16,3	0,22	15%	13,8	18,8	60		
Sample B					78								78	77	99%
(63) Sysmex; (749) Sysmex XE, XS, XT series		10,3	0,52	5,0	11	0	CVPG	10,3	0,14	15%	8,75	11,9	11		
(63) Sysmex; (755) Sysmex KX series		10,8	0,52	4,8	7	0	CVPG	10,3	0,14	15%	8,75	11,9	7		
(63) Sysmex; (772) Sysmex XN series		10,3	0,49	4,8	60	0	CVPG	10,3	0,14	15%	8,75	11,9	60		
(166) PDW [-]					42								42	41	98%
Samples and groups	[-]														
Sample A					42								42	42	100%
(1) Abbott; (765) Abbott CELL-DYN Ruby		15,8	0,39	2,5	6	0	CVPG	19,5	0,31	15%	16,5	22,5	6		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,3	0,26	1,7	10	0	CVPG	15,7	0,11	15%	13,3	18,1	10		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO8/21 - Blood Count

Deadline: 22.10.2021

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability						N _{eva}	N _{suc}	S _{rel}
							AV	U _{AV}	D _{max}	LL	UL				
(166) PDW [-]					42								42	41	98%
Samples and groups	[-]														
Sample A		15,8	0,39	2,5	42								42	42	100%
(177) Mindray; (768) MINDRAY BC 5xxx series		16,0	0,22	1,4	5	0	CVPG	15,7	0,11	15%	13,3	18,1		5	
(177) Mindray; (771) MINDRAY BC 6xxx series		15,8	0,15	0,94	21	0	CVPG	15,7	0,11	15%	13,3	18,1		21	
Sample B		15,6	0,33	2,1	42								42	41	98%
(1) Abbott; (765) Abbott CELL-DYN Ruby		18,7	0,74	4,0	6	0	CVPG	18,7	1,0	15%	15,8	21,6		6	
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,2	0,23	1,5	10	0	CVPG	15,6	0,096	15%	13,2	18		10	
(177) Mindray; (768) MINDRAY BC 5xxx series		15,6	0,15	0,95	5	0	CVPG	15,6	0,096	15%	13,2	18		5	
(177) Mindray; (771) MINDRAY BC 6xxx series		15,7	0,11	0,67	21	0	CVPG	15,6	0,096	15%	13,2	18		21	
(160) Neutrophiles					115								115	109	95%
Samples and groups	f.10(exp9)/L]														
Sample A		6,33	0,20	3,1	115		CVP	6,33	0,045	25%	4,74	7,92	115	115	100%
(749) Sysmex XE, XS, XT series		6,25	0,18	2,9	11	0								11	
(765) Abbott CELL-DYN Ruby		6,00	0,28	4,7	6	0								6	
(768) MINDRAY BC 5xxx series		5,65	0,20	3,5	5	0								5	
(771) MINDRAY BC 6xxx series		6,46	0,16	2,5	21	0								21	
(772) Sysmex XN series		6,35	0,12	1,8	57	0								57	
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		6,37	0,34	5,3	8	0								8	
Other					7	0								7	
Sample B		4,50	0,34	7,6	115		CVP	4,5	0,078	25%	3,37	5,63	115	109	95%
(749) Sysmex XE, XS, XT series		4,61	0,14	3,0	11	0								11	
(765) Abbott CELL-DYN Ruby		3,23	0,49	15	6	0								6	
(768) MINDRAY BC 5xxx series		3,71	0,30	8,2	5	0								5	
(771) MINDRAY BC 6xxx series		4,85	0,15	3,1	21	0								21	
(772) Sysmex XN series		4,51	0,22	5,0	57	0								57	
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,49	0,24	5,4	8	0								8	
Other					7	0								7	
(161) Lymphocytes					115								115	111	97%
Samples and groups	f.10(exp9)/L]														
Sample A		2,95	0,12	4,2	115		CVP	2,95	0,028	25%	2,21	3,69	115	115	100%
(749) Sysmex XE, XS, XT series		2,89	0,069	2,4	11	0								11	
(765) Abbott CELL-DYN Ruby		3,05	0,096	3,2	6	0								6	
(768) MINDRAY BC 5xxx series		2,93	0,059	2,0	5	0								5	
(771) MINDRAY BC 6xxx series		2,89	0,13	4,5	21	0								21	
(772) Sysmex XN series		3,00	0,075	2,5	57	0								57	
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,75	0,081	2,9	8	0								8	
Other					7	0								7	
Sample B		2,64	0,13	4,9	115		CVP	2,64	0,030	25%	1,98	3,3	115	111	97%
(749) Sysmex XE, XS, XT series		2,55	0,099	3,9	11	0								11	
(765) Abbott CELL-DYN Ruby		3,01	0,28	9,4	6	0								6	
(768) MINDRAY BC 5xxx series		2,69	0,17	6,4	5	0								5	
(771) MINDRAY BC 6xxx series		2,55	0,11	4,2	21	0								21	
(772) Sysmex XN series		2,67	0,077	2,9	57	0								57	
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,53	0,14	5,5	8	0								8	
Other					7	0								7	
(162) Monocytes					115								115	111	97%
Samples and groups	f.10(exp9)/L]														
Sample A		0,413	0,067	16	115		CVP	0,413	0,015	50%	0,206	0,62	115	111	97%
(749) Sysmex XE, XS, XT series		0,460	0,042	9,1	11	0								11	
(765) Abbott CELL-DYN Ruby		0,419	0,058	14	6	0								6	
(768) MINDRAY BC 5xxx series		0,490	0,24	48	5	0								5	
(771) MINDRAY BC 6xxx series		0,337	0,03	9,0	21	0								21	
(772) Sysmex XN series		0,434	0,044	10	57	0								57	
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,429	0,05	12	8	0								8	
Other					7	0								7	
Sample B		0,495	0,076	15	115		CVP	0,495	0,017	50%	0,247	0,743	115	112	97%
(749) Sysmex XE, XS, XT series		0,565	0,03	5,3	11	0								11	
(765) Abbott CELL-DYN Ruby		0,502	0,041	8,1	6	0								6	
(768) MINDRAY BC 5xxx series		0,565	0,27	49	5	0								5	
(771) MINDRAY BC 6xxx series		0,415	0,039	9,5	21	0								21	

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of the groups n = 5

EQA round: KO8/21 - Blood Count

Deadline: 22.10.2021

Test	[unit]						Comparability						N _{eva}	N _{suc}	S _{rel}
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL				
(162) Monocytes	f.10(exp9)/L]				115								115	111	97%
Samples and groups															
Sample B		0,495	0,076	15	115	CVP	0,495	0,017	50%	0,247	0,743	115	112	97%	
(772) Sysmex XN series		0,510	0,048	9,3	57	0						57			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,470	0,045	9,5	8	0						8			
Other					7	0						7			
							1x 702, 1x 716, 3x 737, 1x 743, 1x 755								
(163) Eosinophils	f.10(exp9)/L]				114							114	109	96%	
Samples and groups															
Sample A		0,102	0,018	17	114	CVP	0,102	,0041	asym.	0	0,293	114	111	97%	
(749) Sysmex XE, XS, XT series		0,120	0,022	18	12	0						12			
(765) Abbott CELL-DYN Ruby		0,092	0,02	22	6	0						6			
(768) MINDRAY BC 5xxx series		0,260	0,12	46	5	0						5			
(771) MINDRAY BC 6xxx series		0,105	0,015	14	21	0						21			
(772) Sysmex XN series		0,098	0,015	15	56	0						56			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,090	0,016	17	8	0						8			
Other					6	0						6			
							1x 702, 1x 716, 3x 737, 1x 743								
Sample B		0,105	0,017	16	114	CVP	0,105	,0040	asym.	0	0,233	114	110	96%	
(749) Sysmex XE, XS, XT series		0,109	0,002	2,2	12	0						12			
(765) Abbott CELL-DYN Ruby		0,081	0,011	14	6	0						6			
(768) MINDRAY BC 5xxx series		0,340	0,12	35	5	0						5			
(771) MINDRAY BC 6xxx series		0,109	0,016	15	21	0						21			
(772) Sysmex XN series		0,106	0,017	16	56	0						56			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,095	0,008	8,7	8	0						8			
Other					6	0						6			
							1x 702, 1x 716, 3x 737, 1x 743								
(164) Basophiles	f.10(exp9)/L]				114							114	110	96%	
Samples and groups															
Sample A		0,044	0,025	57	114	CVP	0,044	,0058	asym.	0	0,293	114	114	100%	
(749) Sysmex XE, XS, XT series		0,028	0,012	43	11	0						11			
(765) Abbott CELL-DYN Ruby		0,125	0,036	29	6	0						6			
(768) MINDRAY BC 5xxx series		0,020	0,015	74	5	0						5			
(771) MINDRAY BC 6xxx series		0,024	0,012	52	21	0						21			
(772) Sysmex XN series		0,050	0,018	36	57	0						57			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,059	0,061	100	8	0						8			
Other					6	0						6			
							1x 702, 1x 716, 3x 737, 1x 743								
Sample B		0,059	0,036	61	114	CVP	0,059	,0082	asym.	0	0,233	114	110	96%	
(749) Sysmex XE, XS, XT series		0,058	0,047	82	11	0						11			
(765) Abbott CELL-DYN Ruby		0,152	0,017	11	6	0						6			
(768) MINDRAY BC 5xxx series		0,025	0,022	89	5	0						5			
(771) MINDRAY BC 6xxx series		0,027	0,016	59	21	0						21			
(772) Sysmex XN series		0,064	0,027	42	57	1						57			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,074	0,039	52	8	0						8			
Other					6	0						6			
							1x 702, 1x 716, 3x 737, 1x 743								

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End of report

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