

EQA round: KO8/23 - Blood Count

Deadline: 20.10.2023

Setup: groups - measuring system; minimal size of the groups n = 5

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVP = consensus of all participants	LL = lower limit
CV = coefficient of variation	CVPG = consensus of the participants' groups	UL = upper limit
N _{tot} = total number of the results	U _{AV} = expanded uncertainty of the assigned value (k = 2)	N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
		S _{rel} = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
(150) WBC	[·10 ⁹ /L]				171							171	170	99	
Sample A		7,29	0,25	3,4	171		CVP	7,29	0,047	15%	6,19	8,39	171	170	99
(702) Abbott CELL-DYN Emerald		7,05	0,22	3,2	5	0							5		
(741) Nihon Kohden Celltac Alfa		7,2	0,19	2,6	13	0							13		
(749) Sysmex XE, XS, XT series		7,23	0,22	3	5	0							5		
(755) Sysmex KX, XP, XQ series		7,2	0,15	2,1	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		7,15	0,25	3,5	11	0							11		
(768) MINDRAY BC 5xxx series		6,77	0,65	9,6	7	0							7		
(771) MINDRAY BC 6xxx series		7,3	0,21	2,9	27	0							27		
(772) Sysmex XN series		7,41	0,17	2,2	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		7,1	0,15	2,1	5	0							5		
Other					19	0							19		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765, 4x 999								
Sample B		5,63	0,21	3,7	171		CVP	5,63	0,039	15%	4,78	6,48	171	170	99
(702) Abbott CELL-DYN Emerald		5,5	0,15	2,7	5	0							5		
(741) Nihon Kohden Celltac Alfa		5,54	0,11	1,9	13	0							13		
(749) Sysmex XE, XS, XT series		5,58	0,12	2,1	5	0							5		
(755) Sysmex KX, XP, XQ series		5,6	0,15	2,6	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		5,43	0,14	2,6	11	0							11		
(768) MINDRAY BC 5xxx series		5,3	0,37	7	7	0							7		
(771) MINDRAY BC 6xxx series		5,64	0,16	2,9	27	0							27		
(772) Sysmex XN series		5,73	0,14	2,5	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,35	0,22	4,2	5	0							5		
Other					19	0							19		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765, 4x 999								
(151) RBC	[·10 ¹² /L]				171							171	169	99	
Sample A		4,74	0,075	1,6	171		CVP	4,74	0,014	7%	4,4	5,08	171	169	99
(702) Abbott CELL-DYN Emerald		4,69	0,082	1,7	5	0							5		
(741) Nihon Kohden Celltac Alfa		4,81	0,11	2,3	13	0							13		
(749) Sysmex XE, XS, XT series		4,81	0,11	2,3	5	0							5		
(755) Sysmex KX, XP, XQ series		4,72	0,048	1	10	0							10		
(766) MINDRAY BC 2xxx, 3xxx series		4,73	0,14	3	11	0							11		
(768) MINDRAY BC 5xxx series		4,77	0,13	2,8	7	0							7		
(771) MINDRAY BC 6xxx series		4,73	0,087	1,8	27	0							27		
(772) Sysmex XN series		4,75	0,06	1,3	69	0							69		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,72	0,052	1,1	5	0							5		
Other					19	0							19		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765, 4x 999								
Sample B		3,81	0,071	1,9	171		CVP	3,81	0,013	7%	3,54	4,08	171	171	100
(702) Abbott CELL-DYN Emerald		3,82	0,082	2,1	5	0							5		
(741) Nihon Kohden Celltac Alfa		3,87	0,071	1,8	13	0							13		
(749) Sysmex XE, XS, XT series		3,87	0,067	1,7	5	0							5		
(755) Sysmex KX, XP, XQ series		3,82	0,091	2,4	10	0							10		
(766) MINDRAY BC 2xxx, 3xxx series		3,78	0,15	4	11	0							11		
(768) MINDRAY BC 5xxx series		3,84	0,13	3,5	7	0							7		
(771) MINDRAY BC 6xxx series		3,8	0,093	2,5	27	0							27		
(772) Sysmex XN series		3,79	0,049	1,3	69	0							69		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,81	0,022	0,58	5	0							5		
Other					19	0							19		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765, 4x 999								
(152) Haemoglobin	[g/L]				178							178	177	99	
Sample A		149	2,6	1,7	178		CVP	149	0,47	6%	140	158	178	178	100
(702) Abbott CELL-DYN Emerald		151	2,2	1,5	5	0							5		
(741) Nihon Kohden Celltac Alfa		149	2,5	1,7	13	0							13		
(749) Sysmex XE, XS, XT series		152	1,5	0,98	5	0							5		
(755) Sysmex KX, XP, XQ series		147	1,5	1	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		152	2,9	1,9	11	0							11		
(768) MINDRAY BC 5xxx series		150	3,7	2,5	7	0							7		
(771) MINDRAY BC 6xxx series		149	2,7	1,8	27	0							27		
(772) Sysmex XN series		149	1,8	1,2	70	0							70		

EQA round: K08/23 - Blood Count

Deadline: 20.10.2023

Setup: groups - measuring system; minimal size of the groups n = 5

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		147	1,5	1	5	0							5		
(999) another system		151	5,1	3,4	11	0							11		
Other					15	0							15		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765								
Sample B		108	2	1,8	178		CVP	108	0,36	6%	101	115	178	177	99
(702) Abbott CELL-DYN Emerald		111	2,2	2	5	0							5		
(741) Nihon Kohden Celltac Alfa		107	2,8	2,6	13	0							13		
(749) Sysmex XE, XS, XT series		110	1,5	1,3	5	0							5		
(755) Sysmex KX, XP, XQ series		108	1,5	1,4	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		110	1,9	1,7	11	0							11		
(768) MINDRAY BC 5xxx series		110	3,7	3,4	7	0							7		
(771) MINDRAY BC 6xxx series		108	1,8	1,7	27	0							27		
(772) Sysmex XN series		107	1,2	1,1	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		108	0	0	5	0							5		
(999) another system		109	3,2	2,9	11	0							11		
Other					15	0							15		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765								
(153) HCT	[-]				165								165	160	97
Sample A		0,453	0,01	2,3	165		CVP	0,453	0,002	10%	0,407	0,499	165	165	100
(702) Abbott CELL-DYN Emerald		0,463	0,01	2,2	5	0							5		
(741) Nihon Kohden Celltac Alfa		0,439	0,019	4,4	8	0							8		
(749) Sysmex XE, XS, XT series		0,453	0,01	2,1	5	0							5		
(755) Sysmex KX, XP, XQ series		0,448	0,004	0,83	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		0,455	0,014	3	11	0							11		
(768) MINDRAY BC 5xxx series		0,447	0,03	6,8	7	0							7		
(771) MINDRAY BC 6xxx series		0,449	0,009	1,9	27	0							27		
(772) Sysmex XN series		0,456	0,008	1,8	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,446	0,004	0,99	5	0							5		
Other					18	0							18		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 763, 4x 765, 4x 999								
Sample B		0,35	0,013	3,7	165		CVP	0,35	0,002	10%	0,315	0,385	165	160	97
(702) Abbott CELL-DYN Emerald		0,343	0,003	0,87	5	0							5		
(741) Nihon Kohden Celltac Alfa		0,331	0,022	6,5	8	0							8		
(749) Sysmex XE, XS, XT series		0,354	0,006	1,7	5	0							5		
(755) Sysmex KX, XP, XQ series		0,352	0,004	1,1	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		0,344	0,017	4,9	11	0							11		
(768) MINDRAY BC 5xxx series		0,339	0,022	6,4	7	0							7		
(771) MINDRAY BC 6xxx series		0,341	0,007	2	27	0							27		
(772) Sysmex XN series		0,358	0,007	2,1	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,343	0,005	1,5	5	0							5		
Other					18	0							18		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 763, 4x 765, 4x 999								
(154) MCV	[fL]				166								166	162	98
Sample A		95,5	2,1	2,1	166		CVP	95,5	0,39	10%	85,9	106	166	166	100
(702) Abbott CELL-DYN Emerald		99,6	3,1	3,1	5	0							5		
(741) Nihon Kohden Celltac Alfa		91,3	3,3	3,7	9	0							9		
(749) Sysmex XE, XS, XT series		93,7	3,3	3,6	5	0							5		
(755) Sysmex KX, XP, XQ series		94,8	0,74	0,78	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		96,2	2,3	2,4	11	0							11		
(768) MINDRAY BC 5xxx series		93,8	3,3	3,5	7	0							7		
(771) MINDRAY BC 6xxx series		94,6	2,2	2,4	27	0							27		
(772) Sysmex XN series		96,1	1,5	1,5	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		94,9	0,74	0,78	5	0							5		
Other					18	0							18		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 763, 4x 765, 4x 999								
Sample B		92	3,4	3,7	166		CVP	92	0,64	10%	82,8	102	166	162	98
(702) Abbott CELL-DYN Emerald		91,5	3,5	3,8	5	0							5		
(741) Nihon Kohden Celltac Alfa		84,5	3,6	4,2	9	0							9		
(749) Sysmex XE, XS, XT series		92	2,4	2,6	5	0							5		
(755) Sysmex KX, XP, XQ series		92	0,44	0,48	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		90,9	2,3	2,5	11	0							11		
(768) MINDRAY BC 5xxx series		87,8	3,1	3,5	7	0							7		
(771) MINDRAY BC 6xxx series		89,8	2,6	2,9	27	0							27		
(772) Sysmex XN series		94,4	1,5	1,6	70	0							70		

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Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		89,3	0,44	0,5	5	0							5		
Other					18	0							18		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 763, 4x 765, 4x 999								
(155) Platelets	[·10⁹/L]				171								171	169	99
Sample A		181	9	5	171		CVP	181	1,7	18%	148	214	171	170	99
(702) Abbott CELL-DYN Emerald		183	14	7,7	5	0							5		
(741) Nihon Kohden Celltac Alfa		185	16	8,6	13	0							13		
(749) Sysmex XE, XS, XT series		183	8,2	4,5	5	0							5		
(755) Sysmex KX, XP, XQ series		172	10	6	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		181	11	5,9	11	0							11		
(768) MINDRAY BC 5xxx series		172	12	6,9	7	0							7		
(771) MINDRAY BC 6xxx series		181	8,2	4,5	27	0							27		
(772) Sysmex XN series		184	4,6	2,5	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		173	6,7	3,9	5	0							5		
Other					19	0							19		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765, 4x 999								
Sample B		312	15	4,8	171		CVP	312	2,8	18%	255	369	171	170	99
(702) Abbott CELL-DYN Emerald		290	34	12	5	0							5		
(741) Nihon Kohden Celltac Alfa		326	22	6,8	13	0							13		
(749) Sysmex XE, XS, XT series		310	16	5	5	0							5		
(755) Sysmex KX, XP, XQ series		291	11	3,8	9	0							9		
(766) MINDRAY BC 2xxx, 3xxx series		309	19	6,2	11	0							11		
(768) MINDRAY BC 5xxx series		296	37	13	7	0							7		
(771) MINDRAY BC 6xxx series		315	12	3,8	27	0							27		
(772) Sysmex XN series		316	9,6	3	70	0							70		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		290	13	4,4	5	0							5		
Other					19	0							19		
							1x 706, 2x 716, 2x 718, 4x 737, 1x 744, 1x 763, 4x 765, 4x 999								
(156) RDW	[%]				141								135	133	99
Sample A		13,4	0,36	2,7	141								135	133	99
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		14,1	0,22	1,6	5	0	CVPG	14,2	0,43	10%	12,7	15,7	5		
(63) Sysmex; (749) Sysmex XE, XS, XT series		14	0,15	1,1	5	0	CVPG	13,4	0,064	10%	12	14,8	5		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		13,6	0,15	1,1	5	0	CVPG	13,4	0,064	10%	12	14,8	5		
(63) Sysmex; (772) Sysmex XN series		13,4	0,2	1,5	68	0	CVPG	13,4	0,064	10%	12	14,8	68		
(157) Nihon Kohden; (741) Nihon Kohden Celltac Alfa		11,7	1,1	9,5	5	0	CVPG	11,7	3,1	10%	10,5	12,9	5		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		14,5	0,37	2,6	5	0	CVPG	13,5	0,17	10%	12,1	14,9	5		
(177) Mindray; (768) MINDRAY BC 5xxx series		12,8	0,44	3,5	7	0	CVPG	13,5	0,17	10%	12,1	14,9	7		
(177) Mindray; (771) MINDRAY BC 6xxx series		13,5	0,24	1,8	25	0	CVPG	13,5	0,17	10%	12,1	14,9	25		
Other					16	0							10		
							2x 1/702, 1x 1/763, 3x 1/765, 2x 12/718, 2x 177/999, 4x 179/737, 1x 204/716, 1x 205/706								
Sample B		16,9	0,44	2,6	141								135	134	99
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		18,4	0,15	0,81	5	0	CVPG	18,1	0,58	10%	16,2	20	5		
(63) Sysmex; (749) Sysmex XE, XS, XT series		17,5	0,22	1,3	5	0	CVPG	16,9	0,057	10%	15,2	18,6	5		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		16,3	0,074	0,46	5	0	CVPG	16,9	0,057	10%	15,2	18,6	5		
(63) Sysmex; (772) Sysmex XN series		16,9	0,18	1,1	68	0	CVPG	16,9	0,057	10%	15,2	18,6	68		
(157) Nihon Kohden; (741) Nihon Kohden Celltac Alfa		14,4	1,5	10	5	0	CVPG	14,4	4,2	10%	12,9	15,9	5		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		17,7	0,67	3,8	5	0	CVPG	17	0,18	10%	15,3	18,7	5		
(177) Mindray; (768) MINDRAY BC 5xxx series		16,4	1,6	9,5	7	0	CVPG	17	0,18	10%	15,3	18,7	7		
(177) Mindray; (771) MINDRAY BC 6xxx series		17	0,32	1,9	25	0	CVPG	17	0,18	10%	15,3	18,7	25		
Other					16	0							10		
							2x 1/702, 1x 1/763, 3x 1/765, 2x 12/718, 2x 177/999, 4x 179/737, 1x 204/716, 1x 205/706								
(157) MPV	[fL]				143								133	129	97
Sample A		12,2	0,52	4,3	143								133	130	98
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		10,9	0,15	1,4	5	0	CVPG	10,9	0,4	18%	8,93	12,9	5		
(63) Sysmex; (749) Sysmex XE, XS, XT series		12,4	0,22	1,8	5	0	CVPG	12,3	0,07	18%	10	14,6	5		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		12,6	0,37	3	8	0	CVPG	12,3	0,07	18%	10	14,6	8		
(63) Sysmex; (772) Sysmex XN series		12,3	0,26	2,1	67	0	CVPG	12,3	0,07	18%	10	14,6	67		

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Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		11,9	0,44	3,7	6	0	CVPG	12,3	0,23	18%	10	14,6	6		
(177) Mindray; (768) MINDRAY BC 5xxx series		11,2	0,96	8,6	6	0	CVPG	12,3	0,23	18%	10	14,6	6		
(177) Mindray; (771) MINDRAY BC 6xxx series		12,6	0,33	2,6	27	0	CVPG	12,3	0,23	18%	10	14,6	27		
Other					19	0							9		
							1x 1/702, 1x 1/763, 3x 1/765, 2x 12/718, 4x 157/741, 2x 177/999, 4x 179/737, 1x 204/716, 1x 205/706								
Sample B		11,6	0,63	5,4	143								133	131	98
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		10,4	0,37	3,6	5	0	CVPG	10,3	0,43	18%	8,44	12,2	5		
(63) Sysmex; (749) Sysmex XE, XS, XT series		11,9	0,3	2,5	5	0	CVPG	11,8	0,084	18%	9,67	14	5		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		12	0,52	4,3	8	0	CVPG	11,8	0,084	18%	9,67	14	8		
(63) Sysmex; (772) Sysmex XN series		11,8	0,29	2,5	67	0	CVPG	11,8	0,084	18%	9,67	14	67		
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		11,2	0,26	2,3	6	0	CVPG	11,6	0,27	18%	9,51	13,7	6		
(177) Mindray; (768) MINDRAY BC 5xxx series		10,5	1,1	11	6	0	CVPG	11,6	0,27	18%	9,51	13,7	6		
(177) Mindray; (771) MINDRAY BC 6xxx series		11,9	0,52	4,3	27	0	CVPG	11,6	0,27	18%	9,51	13,7	27		
Other					19	0							9		
							1x 1/702, 1x 1/763, 3x 1/765, 2x 12/718, 4x 157/741, 2x 177/999, 4x 179/737, 1x 204/716, 1x 205/706								
(158) PDW [%]	[%]				6								0		
Sample A													0		
Other					6	0							0		
							3x 157/741, 2x 179/737, 1x 205/706								
Sample B													0		
Other					6	0							0		
							3x 157/741, 2x 179/737, 1x 205/706								
(165) PDW [fL]	[fL]				80								79	76	96
Sample A		16,6	1	6,1	80								79	76	96
(63) Sysmex; (749) Sysmex XE, XS, XT series		17,4	1	6	5	0	CVPG	16,6	0,27	15%	14,1	19,1	5		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		17,2	0,59	3,4	8	0	CVPG	16,6	0,27	15%	14,1	19,1	8		
(63) Sysmex; (772) Sysmex XN series		16,4	0,95	5,8	66	0	CVPG	16,6	0,27	15%	14,1	19,1	66		
Other					1	0							0		
							1x 204/716								
Sample B		14,4	0,71	4,9	80								79	78	99
(63) Sysmex; (749) Sysmex XE, XS, XT series		14,9	1,4	9,5	5	0	CVPG	14,4	0,19	15%	12,2	16,6	5		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		14,6	1,6	11	8	0	CVPG	14,4	0,19	15%	12,2	16,6	8		
(63) Sysmex; (772) Sysmex XN series		14,3	0,62	4,3	66	0	CVPG	14,4	0,19	15%	12,2	16,6	66		
Other					1	0							0		
							1x 204/716								
(166) PDW [-]	[-]				29								29	29	100
Sample A		16,4	0,16	0,96	29								29	29	100
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		16,1	0,15	0,92	5	0	CVPG	16,4	0,071	15%	13,9	18,9	5		
(177) Mindray; (771) MINDRAY BC 6xxx series		16,4	0,12	0,7	21	0	CVPG	16,4	0,071	15%	13,9	18,9	21		
Other					3	0							3		
							2x 177/768, 1x 177/999								
Sample B		15,6	0,21	1,3	29								29	29	100
(177) Mindray; (766) MINDRAY BC 2xxx, 3xxx series		15,3	0,074	0,49	5	0	CVPG	15,6	0,093	15%	13,2	18	5		
(177) Mindray; (771) MINDRAY BC 6xxx series		15,7	0,14	0,88	21	0	CVPG	15,6	0,093	15%	13,2	18	21		
Other					3	0							3		
							2x 177/768, 1x 177/999								
(160) Neutrophiles	[·10 ⁹ /L]				117								117	115	98
Sample A		3,4	0,14	4,2	117		CVP	3,4	0,032	25%	2,55	4,25	117	115	98
(771) MINDRAY BC 6xxx series		3,53	0,12	3,5	23	0							23		
(772) Sysmex XN series		3,39	0,093	2,7	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,32	0,057	1,7	5	0							5		
Other					23	0							23		
							2x 716, 2x 718, 4x 737, 4x 749, 1x 755, 1x 763, 3x 765, 3x 768, 3x 999								
Sample B		2,42	0,11	4,5	117		CVP	2,42	0,025	25%	1,81	3,03	117	116	99
(771) MINDRAY BC 6xxx series		2,52	0,091	3,6	23	0							23		
(772) Sysmex XN series		2,41	0,074	3,1	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,29	0,09	3,9	5	0							5		
Other					23	0							23		
							2x 716, 2x 718, 4x 737, 4x 749, 1x 755, 1x 763, 3x 765, 3x 768, 3x 999								

EQA round: K08/23 - Blood Count

Deadline: 20.10.2023

Setup: groups - measuring system; minimal size of the groups n = 5

Test Sample Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]	
							AV	U _{AV}	D _{max}	LL	UL				
(161) Lymphocytes	[·10 ⁹ /L]				118							118	118	100	
Sample A		3,07	0,12	3,9	118		CVP	3,07	0,027	25%	2,3	3,84	118	118	100
(771) MINDRAY BC 6xxx series		3,02	0,091	3	23	0							23		
(772) Sysmex XN series		3,12	0,084	2,7	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,96	0,11	3,9	5	0							5		
Other					24	0							24		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 755, 1x 763, 3x 765, 1x 766, 3x 768, 3x 999							
Sample B		2,63	0,12	4,4	118		CVP	2,63	0,026	25%	1,97	3,29	118	118	100
(771) MINDRAY BC 6xxx series		2,6	0,082	3,2	23	0							23		
(772) Sysmex XN series		2,66	0,089	3,3	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,43	0,093	3,8	5	0							5		
Other					24	0							24		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 755, 1x 763, 3x 765, 1x 766, 3x 768, 3x 999							
(162) Monocytes	[·10 ⁹ /L]				117							117	117	100	
Sample A		0,528	0,079	15	117		CVP	0,528	0,018	50%	0,264	0,792	117	117	100
(771) MINDRAY BC 6xxx series		0,442	0,034	7,8	23	0							23		
(772) Sysmex XN series		0,57	0,041	7,1	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,521	0,029	5,6	5	0							5		
Other					23	0							23		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 763, 3x 765, 1x 766, 3x 768, 3x 999							
Sample B		0,472	0,077	16	117		CVP	0,472	0,017	50%	0,236	0,708	117	117	100
(771) MINDRAY BC 6xxx series		0,394	0,019	4,9	23	0							23		
(772) Sysmex XN series		0,514	0,047	9,1	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,471	0,029	6,1	5	0							5		
Other					23	0							23		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 763, 3x 765, 1x 766, 3x 768, 3x 999							
(163) Eosinophils	[·10 ⁹ /L]				116							116	115	99	
Sample A		0,264	0,02	7,6	116		CVP	0,264	0,005	50%	0,132	0,396	116	116	100
(771) MINDRAY BC 6xxx series		0,269	0,022	8,2	23	0							23		
(772) Sysmex XN series		0,264	0,018	6,8	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,266	0,003	1,1	5	0							5		
Other					22	0							22		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 763, 3x 765, 3x 768, 3x 999							
Sample B		0,107	0,013	12	116		CVP	0,107	0,003	50%	0,053	0,161	116	115	99
(771) MINDRAY BC 6xxx series		0,111	0,01	9	23	0							23		
(772) Sysmex XN series		0,107	0,012	11	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,095	0,004	4,6	5	0							5		
Other					22	0							22		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 763, 3x 765, 3x 768, 3x 999							
(164) Basophiles	[·10 ⁹ /L]				116							116	116	100	
Sample A		0,064	0,019	30	116		CVP	0,064	0,004	asym.	0	0,219	116	116	100
(771) MINDRAY BC 6xxx series		0,046	0,026	57	23	0							23		
(772) Sysmex XN series		0,07	0,011	15	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,062	0,02	33	5	0							5		
Other					22	0							22		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 763, 3x 765, 3x 768, 3x 999							
Sample B		0,037	0,014	39	116		CVP	0,037	0,003	asym.	0	0,169	116	116	100
(771) MINDRAY BC 6xxx series		0,021	0,005	25	23	0							23		
(772) Sysmex XN series		0,042	0,009	21	66	0							66		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,036	0,006	16	5	0							5		
Other					22	0							22		
								2x 716, 2x 718, 4x 737, 4x 749, 1x 763, 3x 765, 3x 768, 3x 999							