

## EQA round: KO1/25 - Blood Count

Deadline: 7.3.2025

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

RoM = robust average	AV = assigned value	D <sub>max</sub> = 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 <sub>tot</sub> = total number of the results	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		N <sub>suc</sub> = number of successful results
		S <sub>rel</sub> = relative success

Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]		
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL					
<b>(150) WBC</b>	[·10 <sup>9</sup> /L]				222							222	211	95		
<b>Sample A</b>		5,17	0,18	3,5	222		CVP	5,17	0,03	15%	4,39	5,95	222	220	99	
(718) Beckman Coulter AcT series, DxH 500 series		4,8	0,15	3,1	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		4,95	0,074	1,5	5	0							5			
(755) Sysmex KX, XP, XQ series		5,19	0,13	2,5	16	0							16			
(768) MINDRAY BC 5xxx series		5,13	0,045	0,87	5	0							5			
(771) MINDRAY BC 6xxx, 7xx series		5,19	0,26	4,9	29	0							29			
(772) Sysmex XN, XR series		5,24	0,12	2,2	124	0							124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,98	0,2	4,1	15	0							15			
Other					21	0							21			
								2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>Sample B</b>		7,03	0,36	5,1	222		CVP	7,03	0,059	15%	5,97	8,09	222	213	96	
(718) Beckman Coulter AcT series, DxH 500 series		6,75	0,22	3,3	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		6,97	0,24	3,5	5	0							5			
(755) Sysmex KX, XP, XQ series		6,7	0,43	6,4	16	0							16			
(768) MINDRAY BC 5xxx series		6,77	0,5	7,3	5	0							5			
(771) MINDRAY BC 6xxx, 7xx series		6,76	0,46	6,8	29	0							29			
(772) Sysmex XN, XR series		7,2	0,2	2,7	124	0							124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		6,89	0,38	5,6	15	0							15			
Other					21	0							21			
								2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>(151) RBC</b>	[·10 <sup>12</sup> /L]				222							222	219	99		
<b>Sample A</b>		4,25	0,063	1,5	222		CVP	4,25	0,01	7%	3,95	4,55	222	221	100	
(718) Beckman Coulter AcT series, DxH 500 series		4,28	0,082	1,9	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		4,31	0,052	1,2	5	0							5			
(755) Sysmex KX, XP, XQ series		4,25	0,063	1,5	16	0							16			
(768) MINDRAY BC 5xxx series		4,22	0,074	1,8	5	0							5			
(771) MINDRAY BC 6xxx, 7xx series		4,26	0,13	3	29	0							29			
(772) Sysmex XN, XR series		4,24	0,048	1,1	124	0							124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,24	0,068	1,6	15	0							15			
Other					21	0							21			
								2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>Sample B</b>		5,18	0,081	1,6	222		CVP	5,18	0,013	7%	4,81	5,55	222	220	99	
(718) Beckman Coulter AcT series, DxH 500 series		5,19	0,15	2,9	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		5,2	0,074	1,4	5	0							5			
(755) Sysmex KX, XP, XQ series		5,16	0,066	1,3	16	0							16			
(768) MINDRAY BC 5xxx series		5,07	0,14	2,8	5	0							5			
(771) MINDRAY BC 6xxx, 7xx series		5,17	0,14	2,8	29	0							29			
(772) Sysmex XN, XR series		5,19	0,065	1,3	124	0							124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,16	0,078	1,5	15	0							15			
Other					21	0							21			
								2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>(152) Haemoglobin</b>	[g/L]				222							222	218	98		
<b>Sample A</b>		127	1,9	1,5	222		CVP	127	0,3	6%	119	135	222	219	99	
(718) Beckman Coulter AcT series, DxH 500 series		127	3	2,3	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		129	1,5	1,1	5	0							5			
(755) Sysmex KX, XP, XQ series		127	1,9	1,5	16	0							16			
(768) MINDRAY BC 5xxx series		126	1,5	1,2	5	0							5			
(771) MINDRAY BC 6xxx, 7xx series		127	1,9	1,5	29	0							29			
(772) Sysmex XN, XR series		127	1,5	1,2	124	0							124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		127	2,6	2,1	15	0							15			
Other					21	0							21			
								2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>Sample B</b>		145	2,2	1,5	222		CVP	145	0,36	6%	136	154	222	220	99	
(718) Beckman Coulter AcT series, DxH 500 series		144	4,4	3,1	7	0							7			
(737) Siemens Advia 120, 2120, 2120i		146	0,74	0,51	5	0							5			
(755) Sysmex KX, XP, XQ series		145	2	1,4	16	0							16			
(768) MINDRAY BC 5xxx series		143	0,74	0,52	5	0							5			
(771) MINDRAY BC 6xxx, 7xx series		145	2,1	1,5	29	0							29			

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Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
(772) Sysmex XN, XR series		145	1,6	1,1	124	0						124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		144	3,6	2,5	15	0						15			
Other					21	0						21			
							2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>(153) HCT</b>	<b>[-]</b>				222							222	220	99	
<b>Sample A</b>		0,39	0,008	2	222		CVP	0,39	0,001	10%	0,351	0,429	222	221	100
(718) Beckman Coulter AcT series, DxH 500 series		0,384	0,005	1,4	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		0,398	0,014	3,5	5	0						5			
(755) Sysmex KX, XP, XQ series		0,388	0,007	1,7	16	0						16			
(768) MINDRAY BC 5xxx series		0,382	0,003	0,79	5	0						5			
(771) MINDRAY BC 6xxx, 7xx series		0,388	0,01	2,6	29	0						29			
(772) Sysmex XN, XR series		0,391	0,007	1,7	124	0						124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,387	0,008	2,1	15	0						15			
Other					21	0						21			
							2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>Sample B</b>		0,446	0,011	2,4	222		CVP	0,446	0,002	10%	0,401	0,491	222	221	100
(718) Beckman Coulter AcT series, DxH 500 series		0,436	0,008	1,9	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		0,457	0,024	5,2	5	0						5			
(755) Sysmex KX, XP, XQ series		0,445	0,006	1,4	16	0						16			
(768) MINDRAY BC 5xxx series		0,432	0,006	1,4	5	0						5			
(771) MINDRAY BC 6xxx, 7xx series		0,44	0,013	3	29	0						29			
(772) Sysmex XN, XR series		0,45	0,008	1,8	124	0						124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,44	0,007	1,7	15	0						15			
Other					21	0						21			
							2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>(154) MCV</b>	<b>[fL]</b>				222							222	222	100	
<b>Sample A</b>		91,7	1,5	1,6	222		CVP	91,7	0,25	10%	82,5	101	222	222	100
(718) Beckman Coulter AcT series, DxH 500 series		89,7	0,82	0,91	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		92,2	3,3	3,6	5	0						5			
(755) Sysmex KX, XP, XQ series		91,5	1,6	1,8	16	0						16			
(768) MINDRAY BC 5xxx series		90,8	1,4	1,6	5	0						5			
(771) MINDRAY BC 6xxx, 7xx series		90,7	1,3	1,4	29	0						29			
(772) Sysmex XN, XR series		92,2	1,2	1,3	124	0						124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		91,1	1,1	1,3	15	0						15			
Other					21	0						21			
							2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>Sample B</b>		86,1	1,6	1,9	222		CVP	86,1	0,27	10%	77,4	94,8	222	222	100
(718) Beckman Coulter AcT series, DxH 500 series		84,3	1,6	1,8	7	0						7			
(737) Siemens Advia 120, 2120, 2120i		87,1	3,6	4,1	5	0						5			
(755) Sysmex KX, XP, XQ series		86,5	1,8	2,1	16	0						16			
(768) MINDRAY BC 5xxx series		85,2	1,6	1,8	5	0						5			
(771) MINDRAY BC 6xxx, 7xx series		85	1,3	1,6	29	0						29			
(772) Sysmex XN, XR series		86,7	1,2	1,4	124	0						124			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		85,1	1,1	1,3	15	0						15			
Other					21	0						21			
							2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999								
<b>(156) RDW</b>	<b>[%]</b>				195							193	190	98	
<b>Sample A</b>		14	0,34	2,5	195							193	190	98	
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		14,7	0,82	5,6	7	0	CVPG	14,7	0,14	10%	13,2	16,2	7		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		14,6	0,18	1,2	15	0	CVPG	14,7	0,14	10%	13,2	16,2	15		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		13,4	0,37	2,8	6	0	CVPG	13,9	0,048	10%	12,5	15,3	6		
(63) Sysmex; (772) Sysmex XN, XR series		13,9	0,2	1,5	115	0	CVPG	13,9	0,048	10%	12,5	15,3	115		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		14,2	0,21	1,5	27	0	CVPG	14,2	0,1	10%	12,7	15,7	27		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		14,1	0,52	3,7	5	0	CVPG	14,1	1,5	10%	12,6	15,6	5		
Other					20	1						18			
							2x 1/702, 1x 1/763, 3x 1/765, 1x 46/999, 2x 63/749, 4x 157/741, 1x 157/744, 1x 177/766, 3x 177/768, 1x 177/999, 1x 204/716								
<b>Sample B</b>		14,6	0,32	2,2	195							193	190	98	
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		16,1	0,59	3,7	7	0	CVPG	15,4	0,34	10%	13,8	17	7		

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Test Sample Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		15,2	0,42	2,7	15	0	CVPG	15,4	0,34	10%	13,8	17	15		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		14,4	0,15	1	6	0	CVPG	14,5	0,046	10%	13	16	6		
(63) Sysmex; (772) Sysmex XN, XR series		14,5	0,2	1,4	115	0	CVPG	14,5	0,046	10%	13	16	115		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		14,6	0,3	2	27	0	CVPG	14,5	0,13	10%	13	16	27		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		14,6	0,44	3	5	0	CVPG	14,6	1,3	10%	13,1	16,1	5		
Other					20	1							18		
															2x 1/702, 1x 1/763, 3x 1/765, 1x 46/999, 2x 63/749, 4x 157/741, 1x 157/744, 1x 177/766, 3x 177/768, 1x 177/999, 1x 204/716
<b>(155) Platelets</b>	<b>[·10<sup>9</sup>/L]</b>				221								221	218	99
<b>Sample A</b>		204	8,8	4,3	221		CVP	204	1,4	18%	167	241	221	220	100
(718) Beckman Coulter AcT series, DxH 500 series		194	10	5,3	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		193	4,4	2,3	5	0							5		
(755) Sysmex KX, XP, XQ series		200	12	6,1	15	0							15		
(768) MINDRAY BC 5xxx series		204	8,9	4,4	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		203	7	3,4	29	0							29		
(772) Sysmex XN, XR series		206	6,6	3,2	124	0							124		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		192	5,8	3	15	0							15		
Other					21	0							21		
															2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999
<b>Sample B</b>		228	11	4,7	221		CVP	228	1,7	18%	186	270	221	219	99
(718) Beckman Coulter AcT series, DxH 500 series		218	15	6,8	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		219	3,7	1,7	5	0							5		
(755) Sysmex KX, XP, XQ series		226	11	4,9	15	0							15		
(768) MINDRAY BC 5xxx series		218	7,4	3,4	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		224	15	6,5	29	0							29		
(772) Sysmex XN, XR series		231	7,7	3,3	124	0							124		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		218	6,9	3,2	15	0							15		
Other					21	0							21		
															2x 702, 2x 716, 4x 741, 1x 744, 2x 749, 1x 763, 4x 765, 2x 766, 3x 999
<b>(157) MPV</b>	<b>[fL]</b>				201								199	195	98
<b>Sample A</b>		10,9	0,61	5,6	201								199	196	98
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		9,24	0,5	5,5	7	0	CVPG	9,41	0,15	18%	7,71	11,2	7		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		9,43	0,27	2,8	15	0	CVPG	9,41	0,15	18%	7,71	11,2	15		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		10,9	0,38	3,5	10	0	CVPG	11,1	0,065	18%	9,1	13,1	10		
(63) Sysmex; (772) Sysmex XN, XR series		11,1	0,28	2,5	115	1	CVPG	11,1	0,065	18%	9,1	13,1	115		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		11,2	0,5	4,5	28	0	CVPG	11,1	0,21	18%	9,1	13,1	28		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		10,5	1,3	13	5	0	CVPG	10,5	3,8	18%	8,61	12,4	5		
Other					21	0							19		
															2x 1/702, 1x 1/763, 3x 1/765, 1x 46/999, 2x 63/749, 4x 157/741, 1x 157/744, 1x 177/766, 4x 177/768, 1x 177/999, 1x 204/716
<b>Sample B</b>		10,1	0,64	6,3	201								199	197	99
(12) Beckman Coulter; (718) Beckman Coulter AcT series, DxH 500 series		8,75	0,52	5,9	7	0	CVPG	8,67	0,13	18%	7,1	10,3	7		
(12) Beckman Coulter; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		8,62	0,2	2,3	15	0	CVPG	8,67	0,13	18%	7,1	10,3	15		
(63) Sysmex; (755) Sysmex KX, XP, XQ series		10,2	0,45	4,4	10	0	CVPG	10,4	0,066	18%	8,52	12,3	10		
(63) Sysmex; (772) Sysmex XN, XR series		10,4	0,3	2,9	115	0	CVPG	10,4	0,066	18%	8,52	12,3	115		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		10,4	0,51	4,9	28	0	CVPG	10,3	0,23	18%	8,44	12,2	28		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		9,5	0,89	9,4	5	0	CVPG	9,5	2,5	18%	7,79	11,3	5		
Other					21	0							19		
															2x 1/702, 1x 1/763, 3x 1/765, 1x 46/999, 2x 63/749, 4x 157/741, 1x 157/744, 1x 177/766, 4x 177/768, 1x 177/999, 1x 204/716
<b>(129) Immature platelet fraction</b>	<b>[%]</b>				33								33	26	79
<b>Sample A</b>		3,92	0,79	20	33								33	27	82
(63) Sysmex; (772) Sysmex XN, XR series		4,12	0,73	18	25	1	CVPG	4,12	0,36	40%	2,47	5,77	25		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		2,96	0,65	22	8	2	CVPG	2,96	0,91	40%	1,77	4,15	8		
<b>Sample B</b>		2,99	0,65	22	33								33	27	82
(63) Sysmex; (772) Sysmex XN, XR series		3,03	0,6	20	25	1	CVPG	3,03	0,3	40%	1,81	4,25	25		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		2,65	0,82	31	8	2	CVPG	2,65	1,1	40%	1,59	3,71	8		
<b>(158) PDW [%]</b>	<b>[%]</b>				8								5	5	100
<b>Sample A</b>		30,6	20	66	8								5	5	100

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							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
Other					8	0	1x 46/999, 4x 157/741, 1x 157/744, 2x 179/737					5			
<b>Sample B</b>		29,3	18	63	8							5	5	100	
Other					8	0	1x 46/999, 4x 157/741, 1x 157/744, 2x 179/737					5			
<b>(165) PDW [fL]</b>	[fL]				118							118	118	100	
<b>Sample A</b>		13,3	0,71	5,4	118		CVP	13,3	0,16	15%	11,3	15,3	118	118	100
(755) Sysmex KX, XP, XQ series		13,3	1,3	9,5	8	0							8		
(772) Sysmex XN, XR series		13,3	0,69	5,2	108	0							108		
Other					2	0	2x 749					2			
<b>Sample B</b>		12,3	0,71	5,8	118		CVP	12,3	0,16	15%	10,4	14,2	118	118	100
(755) Sysmex KX, XP, XQ series		12,9	0,89	6,9	8	0							8		
(772) Sysmex XN, XR series		12,3	0,67	5,4	108	0							108		
Other					2	0	2x 749					2			
<b>(166) PDW [-]</b>	[-]				29							29	28	97	
<b>Sample A</b>		15,9	0,16	1	29		CVP	15,9	0,075	15%	13,5	18,3	29	28	97
(771) MINDRAY BC 6xxx, 7xx series		15,9	0,16	0,98	25	0							25		
Other					4	1	1x 766, 3x 768					4			
<b>Sample B</b>		16,1	0,2	1,2	29		CVP	16,1	0,092	15%	13,6	18,6	29	28	97
(771) MINDRAY BC 6xxx, 7xx series		16,1	0,18	1,1	25	0							25		
Other					4	1	1x 766, 3x 768					4			
<b>(160) Neutrophiles</b>	[·10 <sup>9</sup> /L]				180							180	171	95	
<b>Sample A</b>		2,32	0,11	4,6	180		CVP	2,32	0,02	25%	1,74	2,9	180	177	98
(718) Beckman Coulter AcT series, DxH 500 series		2,15	0,15	6,9	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		2,31	0,052	2,3	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		2,45	0,14	5,8	25	1							25		
(772) Sysmex XN, XR series		2,33	0,075	3,2	114	1							114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,22	0,088	3,9	15	0							15		
Other					14	0	2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999					14			
<b>Sample B</b>		5,05	0,29	5,7	180		CVP	5,05	0,053	25%	3,78	6,32	180	173	96
(718) Beckman Coulter AcT series, DxH 500 series		4,78	0,34	7,1	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		5,09	0,21	4,1	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		4,85	0,46	9,5	25	0							25		
(772) Sysmex XN, XR series		5,13	0,18	3,5	114	1							114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,96	0,32	6,5	15	0							15		
Other					14	0	2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999					14			
<b>(161) Lymphocytes</b>	[·10 <sup>9</sup> /L]				181							181	178	98	
<b>Sample A</b>		1,77	0,094	5,3	181		CVP	1,77	0,017	25%	1,32	2,22	181	178	98
(718) Beckman Coulter AcT series, DxH 500 series		1,64	0,059	3,6	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		1,66	0,13	8	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		1,75	0,1	5,8	25	1							25		
(772) Sysmex XN, XR series		1,79	0,077	4,3	114	1							114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,72	0,1	6	15	0							15		
Other					15	0	2x 702, 2x 716, 2x 749, 1x 755, 1x 763, 3x 765, 2x 768, 2x 999					15			
<b>Sample B</b>		1,36	0,077	5,7	181		CVP	1,36	0,014	25%	1,02	1,7	181	180	99
(718) Beckman Coulter AcT series, DxH 500 series		1,27	0,052	4,1	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		1,28	0,015	1,2	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		1,31	0,077	5,9	25	0							25		
(772) Sysmex XN, XR series		1,38	0,059	4,3	114	1							114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		1,3	0,077	5,9	15	0							15		
Other					15	0	2x 702, 2x 716, 2x 749, 1x 755, 1x 763, 3x 765, 2x 768, 2x 999					15			
<b>(162) Monocytes</b>	[·10 <sup>9</sup> /L]				180							180	177	98	
<b>Sample A</b>		0,611	0,083	14	180		CVP	0,611	0,015	50%	0,305	0,917	180	177	98
(718) Beckman Coulter AcT series, DxH 500 series		0,525	0,037	7,1	7	0							7		
(737) Siemens Advia 120, 2120, 2120i		0,405	0,007	1,8	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		0,5	0,028	5,5	25	0							25		
(772) Sysmex XN, XR series		0,654	0,044	6,7	114	0							114		

## EQA round: KO1/25 - Blood Count

Deadline: 7.3.2025

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

Test Sample Group	[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> [%]						
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,595	0,066	11	15	0												15		
Other					14	0												14		
							2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999													
<b>Sample B</b>		0,431	0,06	14	180		CVP	0,431	0,011	50%	0,215	0,647						180	178	99
(718) Beckman Coulter AcT series, DxH 500 series		0,38	0,03	7,8	7	0												7		
(737) Siemens Advia 120, 2120, 2120i		0,34	0	0	5	0												5		
(771) MINDRAY BC 6xxx, 7xx series		0,342	0,031	9,1	25	0												25		
(772) Sysmex XN, XR series		0,462	0,031	6,6	114	0												114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,406	0,021	5,2	15	0												15		
Other					14	0												14		
							2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999													
<b>(163) Eosinophils</b>	[·10 <sup>9</sup> /L]				180													180	178	99
<b>Sample A</b>		0,402	0,022	5,5	180		CVP	0,402	0,004	50%	0,201	0,603						180	178	99
(718) Beckman Coulter AcT series, DxH 500 series		0,4	0,015	3,7	7	0												7		
(737) Siemens Advia 120, 2120, 2120i		0,395	0,037	9,4	5	0												5		
(771) MINDRAY BC 6xxx, 7xx series		0,407	0,037	9	25	0												25		
(772) Sysmex XN, XR series		0,403	0,02	4,8	114	0												114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,394	0,012	3,1	15	0												15		
Other					14	0												14		
							2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999													
<b>Sample B</b>		0,174	0,017	9,8	180		CVP	0,174	0,003	50%	0,087	0,261						180	179	99
(718) Beckman Coulter AcT series, DxH 500 series		0,21	0,015	7	7	0												7		
(737) Siemens Advia 120, 2120, 2120i		0,2	0,015	7,4	5	0												5		
(771) MINDRAY BC 6xxx, 7xx series		0,174	0,015	8,7	25	0												25		
(772) Sysmex XN, XR series		0,17	0,013	7,9	114	0												114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,183	0,018	10	15	0												15		
Other					14	0												14		
							2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999													
<b>(164) Basophiles</b>	[·10 <sup>9</sup> /L]				180													180	180	100
<b>Sample A</b>		0,055	0,019	34	180		CVP	0,055	0,004	asym.	0	0,156						180	180	100
(718) Beckman Coulter AcT series, DxH 500 series		0,015	0,007	49	7	0												7		
(737) Siemens Advia 120, 2120, 2120i		0,04	0	0	5	0												5		
(771) MINDRAY BC 6xxx, 7xx series		0,043	0,032	75	25	0												25		
(772) Sysmex XN, XR series		0,06	0,01	17	114	0												114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,051	0,042	83	15	0												15		
Other					14	0												14		
							2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999													
<b>Sample B</b>		0,032	0,014	44	180		CVP	0,032	0,003	asym.	0	0,211						180	180	100
(718) Beckman Coulter AcT series, DxH 500 series		0,015	0,007	49	7	0												7		
(737) Siemens Advia 120, 2120, 2120i		0,025	0,007	30	5	0												5		
(771) MINDRAY BC 6xxx, 7xx series		0,027	0,014	51	25	0												25		
(772) Sysmex XN, XR series		0,034	0,01	30	114	0												114		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,058	0,041	70	15	0												15		
Other					14	0												14		
							2x 702, 2x 716, 2x 749, 1x 763, 3x 765, 2x 768, 2x 999													