

## EQA round: KO2/25 - Blood Count

Deadline: 11.4.2025

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]				181							181	174	96	
<b>Sample A</b>		5,91	0,22	3,8	181		CVP	5,91	0,041	15%	5,02	6,8	181	179	99
(702) Abbott CELL-DYN Emerald		5,75	0,074	1,3	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		5,7	0,1	1,8	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		5,85	0,007	0,13	5	0							5		
(765) Abbott CELL-DYN Ruby		5,62	0,2	3,6	11	0							11		
(768) MINDRAY BC 5xxx series		5,63	0,33	5,9	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		5,95	0,23	3,8	24	0							24		
(772) Sysmex XN, XR series		6	0,15	2,5	97	0							97		
Other					25	0							25		
													1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999		
<b>Sample B</b>		7,64	0,31	4	181		CVP	7,64	0,056	15%	6,49	8,79	181	175	97
(702) Abbott CELL-DYN Emerald		7,15	0,22	3,1	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		7,59	0,13	1,8	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		7,49	0,045	0,59	5	0							5		
(765) Abbott CELL-DYN Ruby		6,98	0,52	7,4	11	0							11		
(768) MINDRAY BC 5xxx series		7,35	0,46	6,3	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		7,65	0,3	3,9	24	0							24		
(772) Sysmex XN, XR series		7,78	0,19	2,5	97	0							97		
Other					25	0							25		
													1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999		
<b>(151) RBC</b>	[·10 <sup>12</sup> /L]				181							181	179	99	
<b>Sample A</b>		3,85	0,066	1,7	181		CVP	3,85	0,012	7%	3,58	4,12	181	180	99
(702) Abbott CELL-DYN Emerald		3,76	0,067	1,8	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		3,93	0,074	1,9	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		3,84	0,045	1,2	5	0							5		
(765) Abbott CELL-DYN Ruby		3,87	0,074	1,9	11	0							11		
(768) MINDRAY BC 5xxx series		3,86	0,12	3,1	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		3,89	0,069	1,8	24	0							24		
(772) Sysmex XN, XR series		3,84	0,055	1,4	97	0							97		
Other					25	0							25		
													1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999		
<b>Sample B</b>		3,75	0,068	1,8	181		CVP	3,75	0,012	7%	3,48	4,02	181	179	99
(702) Abbott CELL-DYN Emerald		3,67	0,052	1,4	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		3,8	0,052	1,4	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		3,79	0,007	0,2	5	0							5		
(765) Abbott CELL-DYN Ruby		3,75	0,058	1,5	11	0							11		
(768) MINDRAY BC 5xxx series		3,77	0,089	2,4	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		3,79	0,086	2,3	24	0							24		
(772) Sysmex XN, XR series		3,73	0,057	1,5	97	0							97		
Other					25	0							25		
													1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999		
<b>(152) Haemoglobin</b>	[g/L]				188							188	185	98	
<b>Sample A</b>		108	1,9	1,7	188		CVP	108	0,33	6%	101	115	188	185	98
(702) Abbott CELL-DYN Emerald		112	4,4	4	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		110	1,5	1,3	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		110	1,9	1,7	5	0							5		
(765) Abbott CELL-DYN Ruby		110	1,4	1,2	11	0							11		
(768) MINDRAY BC 5xxx series		109	3,2	2,9	9	1							9		
(771) MINDRAY BC 6xxx, 7xx series		109	1,7	1,6	24	0							24		
(772) Sysmex XN, XR series		108	1,4	1,3	97	0							97		
(999) another system		109	2,2	2	10	0							10		
Other					22	0							22		
													1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773		
<b>Sample B</b>		129	1,9	1,5	188		CVP	129	0,34	6%	121	137	188	185	98
(702) Abbott CELL-DYN Emerald		133	6,7	5	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		130	3	2,3	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		132	0,74	0,56	5	0							5		
(765) Abbott CELL-DYN Ruby		130	1,6	1,2	11	0							11		
(768) MINDRAY BC 5xxx series		130	2,7	2,1	9	1							9		
(771) MINDRAY BC 6xxx, 7xx series		129	1,8	1,4	24	0							24		
(772) Sysmex XN, XR series		129	1,4	1,1	97	0							97		
(999) another system		130	1,9	1,4	10	0							10		

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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				
Other					22	0						22			
							1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773								
<b>(153) HCT</b>	<b>[-]</b>				<b>181</b>							<b>181</b>	<b>181</b>	<b>100</b>	
<b>Sample A</b>		0,348	0,011	3	181		CVP	0,348	0,002	10%	0,313	0,383	181	181	100
(702) Abbott CELL-DYN Emerald		0,328	0,003	0,91	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		0,36	0	0	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,344	0,002	0,64	5	0							5		
(765) Abbott CELL-DYN Ruby		0,34	0,008	2,2	11	0							11		
(768) MINDRAY BC 5xxx series		0,337	0,013	3,9	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		0,342	0,008	2,3	24	0							24		
(772) Sysmex XN, XR series		0,353	0,006	1,7	97	0							97		
Other					25	0							25		
							1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999								
<b>Sample B</b>		0,396	0,011	2,6	181		CVP	0,396	0,002	10%	0,356	0,436	181	181	100
(702) Abbott CELL-DYN Emerald		0,383	0,01	2,7	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		0,405	0,007	1,8	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,397	0,002	0,55	5	0							5		
(765) Abbott CELL-DYN Ruby		0,386	0,012	3,2	11	0							11		
(768) MINDRAY BC 5xxx series		0,395	0,019	4,7	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		0,394	0,013	3,3	24	0							24		
(772) Sysmex XN, XR series		0,4	0,008	1,9	97	0							97		
Other					25	0							25		
							1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999								
<b>(154) MCV</b>	<b>[fL]</b>				<b>181</b>							<b>181</b>	<b>180</b>	<b>99</b>	
<b>Sample A</b>		90,4	2,6	2,9	181		CVP	90,4	0,47	10%	81,3	99,5	181	180	99
(702) Abbott CELL-DYN Emerald		87,4	1,4	1,6	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		91,6	0,89	0,97	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		88,9	0,59	0,67	5	0							5		
(765) Abbott CELL-DYN Ruby		88,1	2,2	2,4	11	0							11		
(768) MINDRAY BC 5xxx series		87,7	3,6	4,1	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		87,9	1,2	1,3	24	0							24		
(772) Sysmex XN, XR series		92	1,2	1,3	97	0							97		
Other					25	0							25		
							1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999								
<b>Sample B</b>		106	2,5	2,4	181		CVP	106	0,45	10%	95,4	117	181	181	100
(702) Abbott CELL-DYN Emerald		105	1,9	1,8	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		105	0,15	0,14	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		105	0,74	0,71	5	0							5		
(765) Abbott CELL-DYN Ruby		103	2,8	2,7	11	0							11		
(768) MINDRAY BC 5xxx series		104	3,4	3,3	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		104	2	1,9	24	0							24		
(772) Sysmex XN, XR series		107	1,5	1,4	97	0							97		
Other					25	0							25		
							1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999								
<b>(156) RDW</b>	<b>[%]</b>				<b>165</b>							<b>161</b>	<b>158</b>	<b>98</b>	
<b>Sample A</b>		17,8	0,51	2,9	165							161	160	99	
(1) Abbott; (763) Abbott Alinity, CELL-DYN Sapphire		17,6	0,22	1,3	5	0	CVPG	17,1	0,44	10%	15,3	18,9	5		
(1) Abbott; (765) Abbott CELL-DYN Ruby		17	0,83	4,9	11	0	CVPG	17,1	0,44	10%	15,3	18,9	11		
(63) Sysmex; (772) Sysmex XN, XR series		17,8	0,2	1,1	91	0	CVPG	17,8	0,055	10%	16	19,6	91		
(177) Mindray; (768) MINDRAY BC 5xxx series		18,2	2	11	9	0	CVPG	18,5	0,23	10%	16,6	20,4	9		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		18,3	0,27	1,5	22	0	CVPG	18,5	0,23	10%	16,6	20,4	22		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		16,8	0,37	2,2	5	0	CVPG	16,8	1	10%	15,1	18,5	5		
Other					22	0							18		
							4x 1/702, 2x 12/718, 3x 12/773, 3x 63/749, 3x 63/755, 2x 157/741, 1x 157/744, 3x 177/766, 1x 204/716								
<b>Sample B</b>		12,5	0,31	2,5	165							161	159	99	
(1) Abbott; (763) Abbott Alinity, CELL-DYN Sapphire		11,3	0,15	1,3	5	0	CVPG	11,6	0,35	10%	10,4	12,8	5		
(1) Abbott; (765) Abbott CELL-DYN Ruby		11,5	0,61	5,3	11	0	CVPG	11,6	0,35	10%	10,4	12,8	11		
(63) Sysmex; (772) Sysmex XN, XR series		12,6	0,19	1,5	91	0	CVPG	12,6	0,049	10%	11,3	13,9	91		
(177) Mindray; (768) MINDRAY BC 5xxx series		12,4	0,3	2,4	9	0	CVPG	12,6	0,15	10%	11,3	13,9	9		
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		12,6	0,26	2,1	22	0	CVPG	12,6	0,15	10%	11,3	13,9	22		
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		12,1	0,15	1,2	5	0	CVPG	12,1	0,42	10%	10,8	13,4	5		
Other					22	0							18		
							4x 1/702, 2x 12/718, 3x 12/773, 3x 63/749, 3x 63/755, 2x 157/741, 1x 157/744, 3x 177/766, 1x 204/716								
<b>(155) Platelets</b>	<b>[·10<sup>9</sup>/L]</b>				<b>181</b>							<b>181</b>	<b>178</b>	<b>98</b>	
<b>Sample A</b>		282	13	4,5	181		CVP	282	2,3	18%	231	333	181	180	99
(702) Abbott CELL-DYN Emerald		293	22	7,6	5	0							5		

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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				
(737) Siemens Advia 120, 2120, 2120i		277	12	4,3	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		278	8,2	2,9	5	0							5		
(765) Abbott CELL-DYN Ruby		256	10	3,9	11	0							11		
(768) MINDRAY BC 5xxx series		277	21	7,5	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		284	13	4,6	24	0							24		
(772) Sysmex XN, XR series		284	8,8	3,1	97	0							97		
Other					25	0							25		
							1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999								
<b>Sample B</b>		245	11	4,6	181		CVP	245	2,1	18%	200	290	181	178	98
(702) Abbott CELL-DYN Emerald		256	37	14	5	0							5		
(737) Siemens Advia 120, 2120, 2120i		239	8,9	3,7	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		254	1,5	0,58	5	0							5		
(765) Abbott CELL-DYN Ruby		233	11	4,5	11	0							11		
(768) MINDRAY BC 5xxx series		253	10	4,1	9	0							9		
(771) MINDRAY BC 6xxx, 7xx series		249	11	4,6	24	0							24		
(772) Sysmex XN, XR series		244	8,1	3,3	97	0							97		
Other					25	0							25		
							1x 716, 2x 718, 3x 741, 1x 744, 4x 749, 4x 755, 4x 766, 3x 773, 3x 999								
<b>(157) MPV</b>	[fL]				156								152	148	97
<b>Sample A</b>		10,2	0,59	5,8	156								152	148	97
(1) Abbott; (765) Abbott CELL-DYN Ruby		6,71	0,84	12	9	0	CVPG	7,45	0,87	18%	6,1	8,8		9	
(63) Sysmex; (772) Sysmex XN, XR series		10,4	0,28	2,7	89	0	CVPG	10,5	0,071	18%	8,61	12,4		89	
(177) Mindray; (768) MINDRAY BC 5xxx series		9,7	0,59	6,1	9	0	CVPG	10,2	0,3	18%	8,36	12,1		9	
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		10,4	0,69	6,6	22	0	CVPG	10,2	0,3	18%	8,36	12,1		22	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		9,7	0,15	1,5	5	0	CVPG	9,7	0,42	18%	7,95	11,5		5	
Other					22	0								18	
							2x 1/702, 2x 1/763, 2x 12/718, 3x 12/773, 3x 63/749, 3x 63/755, 2x 157/741, 1x 157/744, 3x 177/766, 1x 204/716								
<b>Sample B</b>		9,53	0,46	4,9	156								152	148	97
(1) Abbott; (765) Abbott CELL-DYN Ruby		6,36	0,65	10	9	0	CVPG	6,86	0,81	18%	5,62	8,1		9	
(63) Sysmex; (772) Sysmex XN, XR series		9,72	0,19	1,9	89	0	CVPG	9,73	0,049	18%	7,97	11,5		89	
(177) Mindray; (768) MINDRAY BC 5xxx series		9,3	0,74	8	9	0	CVPG	9,43	0,23	18%	7,73	11,2		9	
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		9,51	0,5	5,3	22	0	CVPG	9,43	0,23	18%	7,73	11,2		22	
(179) Siemens; (737) Siemens Advia 120, 2120, 2120i		9,35	0,074	0,79	5	0	CVPG	9,35	0,21	18%	7,66	11,1		5	
Other					22	0								18	
							2x 1/702, 2x 1/763, 2x 12/718, 3x 12/773, 3x 63/749, 3x 63/755, 2x 157/741, 1x 157/744, 3x 177/766, 1x 204/716								
<b>(129) Immature platelet fraction</b>	[%]				23								22	19	86
<b>Sample A</b>		2,75	0,74	27	23								22	19	86
(63) Sysmex; (772) Sysmex XN, XR series		2,81	0,62	22	17	0	CVPG	2,81	0,37	40%	1,68	3,94		17	
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		2,65	1,3	48	5	0	CVPG	2,65	3,6	40%	1,59	3,71		5	
Other					1	0								0	
							1x 1/763								
<b>Sample B</b>		2,55	0,65	26	23								22	20	91
(63) Sysmex; (772) Sysmex XN, XR series		2,79	0,44	16	17	0	CVPG	2,79	0,26	40%	1,67	3,91		17	
(177) Mindray; (771) MINDRAY BC 6xxx, 7xx series		1,75	0,074	4,2	5	0	CVPG	1,75	0,21	40%	1,05	2,45		5	
Other					1	0								0	
							1x 1/763								
<b>(158) PDW [%]</b>	[%]				5								0		
<b>Sample A</b>		26,6	14	54	5								0		
Other					5	0							0		
							1x 149/737, 2x 157/741, 1x 157/744, 1x 179/737								
<b>Sample B</b>		29,6	18	62	5								0		
Other					5	0							0		
							1x 149/737, 2x 157/741, 1x 157/744, 1x 179/737								
<b>(165) PDW [fL]</b>	[fL]				90								90	87	97
<b>Sample A</b>		11,9	0,6	5	90		CVP	11,9	0,15	15%	10,1	13,7		90	89
(772) Sysmex XN, XR series		11,8	0,59	5	83	0								83	
Other					7	0								7	
							3x 749, 3x 755, 1x 771								
<b>Sample B</b>		10,2	0,49	4,8	90		CVP	10,2	0,13	15%	8,67	11,8		90	87
(772) Sysmex XN, XR series		10,1	0,45	4,5	83	0								83	
Other					7	0								7	
							3x 749, 3x 755, 1x 771								
<b>(166) PDW [-]</b>	[-]				27								27	27	100
<b>Sample A</b>		15,7	0,2	1,3	27		CVP	15,7	0,094	15%	13,3	18,1		27	27
(768) MINDRAY BC 5xxx series		15,5	0	0	5	0								5	
(771) MINDRAY BC 6xxx, 7xx series		15,8	0,14	0,9	18	0								18	

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							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
Other					4	0	4x 766					4			
<b>Sample B</b>		15,8	0,13	0,83	27		CVP	15,8	0,062	15%	13,4	18,2	27	27	100
(768) MINDRAY BC 5xxx series		15,8	0,074	0,47	5	0							5		
(771) MINDRAY BC 6xxx, 7xx series		15,9	0,12	0,76	18	0							18		
Other					4	0	4x 766					4			
<b>(160) Neutrophiles</b>	<b>[·10<sup>9</sup>/L]</b>				150								150	145	97
<b>Sample A</b>		3,06	0,14	4,6	150		CVP	3,06	0,028	25%	2,29	3,83	150	148	99
(737) Siemens Advia 120, 2120, 2120i		3,06	0,045	1,5	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		3,04	0,045	1,5	5	0							5		
(765) Abbott CELL-DYN Ruby		2,77	0,26	9,4	10	0							10		
(768) MINDRAY BC 5xxx series		2,73	0,38	14	7	0							7		
(771) MINDRAY BC 6xxx, 7xx series		3,2	0,11	3,4	21	0							21		
(772) Sysmex XN, XR series		3,08	0,1	3,3	88	0							88		
Other					14	0	4x 702, 2x 718, 1x 744, 4x 749, 3x 773					14			
<b>Sample B</b>		4,55	0,23	5,1	150		CVP	4,55	0,046	25%	3,41	5,69	150	146	97
(737) Siemens Advia 120, 2120, 2120i		4,77	0,022	0,47	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		4,45	0,08	1,8	5	0							5		
(765) Abbott CELL-DYN Ruby		3,8	0,56	15	10	0							10		
(768) MINDRAY BC 5xxx series		4	0,37	9,3	7	1							7		
(771) MINDRAY BC 6xxx, 7xx series		4,73	0,16	3,4	21	0							21		
(772) Sysmex XN, XR series		4,59	0,15	3,3	88	0							88		
Other					14	0	4x 702, 2x 718, 1x 744, 4x 749, 3x 773					14			
<b>(161) Lymphocytes</b>	<b>[·10<sup>9</sup>/L]</b>				150								150	147	98
<b>Sample A</b>		2,23	0,1	4,6	150		CVP	2,23	0,02	25%	1,67	2,79	150	149	99
(737) Siemens Advia 120, 2120, 2120i		2,02	0,18	8,8	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		2,15	0,15	6,9	5	0							5		
(765) Abbott CELL-DYN Ruby		2,21	0,17	7,5	10	0							10		
(768) MINDRAY BC 5xxx series		2,29	0,22	9,4	7	0							7		
(771) MINDRAY BC 6xxx, 7xx series		2,21	0,11	4,8	21	0							21		
(772) Sysmex XN, XR series		2,24	0,073	3,3	88	0							88		
Other					14	0	4x 702, 2x 718, 1x 744, 4x 749, 3x 773					14			
<b>Sample B</b>		2,4	0,13	5,2	150		CVP	2,4	0,025	25%	1,8	3	150	147	98
(737) Siemens Advia 120, 2120, 2120i		2,25	0,074	3,3	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		2,38	0,1	4,4	5	0							5		
(765) Abbott CELL-DYN Ruby		2,47	0,26	10	10	0							10		
(768) MINDRAY BC 5xxx series		2,53	0,27	11	7	0							7		
(771) MINDRAY BC 6xxx, 7xx series		2,3	0,11	4,7	21	0							21		
(772) Sysmex XN, XR series		2,42	0,088	3,6	88	0							88		
Other					14	0	4x 702, 2x 718, 1x 744, 4x 749, 3x 773					14			
<b>(162) Monocytes</b>	<b>[·10<sup>9</sup>/L]</b>				150								150	148	99
<b>Sample A</b>		0,434	0,062	14	150		CVP	0,434	0,012	50%	0,217	0,651	150	149	99
(737) Siemens Advia 120, 2120, 2120i		0,335	0,022	6,6	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,415	0,052	13	5	0							5		
(765) Abbott CELL-DYN Ruby		0,435	0,038	8,7	10	0							10		
(768) MINDRAY BC 5xxx series		0,395	0,067	17	7	0							7		
(771) MINDRAY BC 6xxx, 7xx series		0,357	0,033	9,2	21	0							21		
(772) Sysmex XN, XR series		0,465	0,036	7,8	88	0							88		
Other					14	0	4x 702, 2x 718, 1x 744, 4x 749, 3x 773					14			
<b>Sample B</b>		0,553	0,076	14	150		CVP	0,553	0,015	50%	0,276	0,83	150	149	99
(737) Siemens Advia 120, 2120, 2120i		0,365	0,022	6,1	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,545	0,065	12	5	0							5		
(765) Abbott CELL-DYN Ruby		0,561	0,052	9,2	10	0							10		
(768) MINDRAY BC 5xxx series		0,63	0,12	19	7	1							7		
(771) MINDRAY BC 6xxx, 7xx series		0,463	0,031	6,7	21	0							21		
(772) Sysmex XN, XR series		0,579	0,045	7,8	88	0							88		
Other					14	0	4x 702, 2x 718, 1x 744, 4x 749, 3x 773					14			
<b>(163) Eosinophils</b>	<b>[·10<sup>9</sup>/L]</b>				150								150	147	98
<b>Sample A</b>		0,152	0,019	12	150		CVP	0,152	0,004	50%	0,076	0,228	150	148	99
(737) Siemens Advia 120, 2120, 2120i		0,135	0,007	5,5	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,155	0,007	4,3	5	0							5		
(765) Abbott CELL-DYN Ruby		0,142	0,011	7,8	10	0							10		
(768) MINDRAY BC 5xxx series		0,125	0,067	53	7	0							7		

## EQA round: K02/25 - Blood Count

Deadline: 11.4.2025

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					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]	
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
(771) MINDRAY BC 6xxx, 7xx series		0,159	0,021	13	21	0							21		
(772) Sysmex XN, XR series		0,155	0,017	11	88	0							88		
Other					14	0							14		
4x 702, 2x 718, 1x 744, 4x 749, 3x 773															
<b>Sample B</b>		0,111	0,015	14	150		CVP	0,111	0,003	50%	0,055	0,167	150	147	98
(737) Siemens Advia 120, 2120, 2120i		0,12	0,015	12	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,1	0,004	3,7	5	0							5		
(765) Abbott CELL-DYN Ruby		0,092	0,016	17	10	0							10		
(768) MINDRAY BC 5xxx series		0,11	0,03	27	7	1							7		
(771) MINDRAY BC 6xxx, 7xx series		0,114	0,014	12	21	0							21		
(772) Sysmex XN, XR series		0,113	0,013	12	88	0							88		
Other					14	0							14		
4x 702, 2x 718, 1x 744, 4x 749, 3x 773															
<b>(164) Basophiles</b>	[·10 <sup>9</sup> /L]				150								150	148	99
<b>Sample A</b>		0,046	0,023	50	150		CVP	0,046	0,005	asym.	0	0,178	150	149	99
(737) Siemens Advia 120, 2120, 2120i		0,03	0,015	49	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,022	0,002	10	5	0							5		
(765) Abbott CELL-DYN Ruby		0,101	0,014	13	10	0							10		
(768) MINDRAY BC 5xxx series		0,02	0,015	74	7	0							7		
(771) MINDRAY BC 6xxx, 7xx series		0,037	0,017	45	21	0							21		
(772) Sysmex XN, XR series		0,051	0,015	30	88	0							88		
Other					14	0							14		
4x 702, 2x 718, 1x 744, 4x 749, 3x 773															
<b>Sample B</b>		0,058	0,036	62	150		CVP	0,058	0,007	asym.	0	0,23	150	149	99
(737) Siemens Advia 120, 2120, 2120i		0,03	0,015	49	5	0							5		
(763) Abbott Alinity, CELL-DYN Sapphire		0,03	0,009	30	5	0							5		
(765) Abbott CELL-DYN Ruby		0,124	0,025	20	10	0							10		
(768) MINDRAY BC 5xxx series		0,025	0,022	89	7	0							7		
(771) MINDRAY BC 6xxx, 7xx series		0,041	0,029	73	21	0							21		
(772) Sysmex XN, XR series		0,065	0,028	43	88	0							88		
Other					14	0							14		
4x 702, 2x 718, 1x 744, 4x 749, 3x 773															