

## Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

## EQA round: DA3/18 - Differential Count - Automatic

Dead line: 07.09.2018

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 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					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>(130) WBC</b>					172						172	167	97%		
Samples and groups	f.10(exp9)/L														
<b>Sample A</b>		5,60	0,21	3,8	172	CVP	5,6	0,040	15%	4,76	6,44	172	170	99%	
(737) Siemens ADVIA 120, 2120, 2120i		5,13	0,33	6,4	14	0						14			
(749) Sysmex XE, XS, XT series		5,61	0,19	3,3	31	0						31			
(765) Abbott CELL-DYN Ruby		5,73	0,15	2,7	13	0						13			
(768) MINDRAY BC 5xxx series		5,40	0,21	3,8	5	0						5			
(772) Sysmex XN series		5,68	0,13	2,2	77	0						77			
(773) Beckman Coulter DxH 600, DxH 800		5,41	0,29	5,3	16	0						16			
Other					16	0						16			
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>Sample B</b>		5,16	0,20	3,8	172	CVP	5,16	0,037	15%	4,38	5,94	172	169	98%	
(737) Siemens ADVIA 120, 2120, 2120i		4,84	0,39	8,0	14	0						14			
(749) Sysmex XE, XS, XT series		5,19	0,16	3,1	31	0						31			
(765) Abbott CELL-DYN Ruby		5,12	0,16	3,0	13	0						13			
(768) MINDRAY BC 5xxx series		4,93	0,052	1,1	5	0						5			
(772) Sysmex XN series		5,22	0,13	2,5	77	0						77			
(773) Beckman Coulter DxH 600, DxH 800		5,12	0,26	5,1	16	0						16			
Other					16	0						16			
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>(160) Neutrophiles</b>					172							157	153	97%	
Samples and groups	f.10(exp9)/L														
<b>Sample A</b>		3,97	0,20	5,1	172							157	155	99%	
(737) Siemens ADVIA 120, 2120, 2120i		3,80	0,28	7,4	14	0	CVP	3,99	0,036	25%	2,99	4,99	14		
(749) Sysmex XE, XS, XT series		4,00	0,13	3,2	31	0	CVP	3,99	0,036	25%	2,99	4,99	31		
(765) Abbott CELL-DYN Ruby		3,80	0,13	3,4	13	0	CVPG	3,8	0,087	25%	2,85	4,75	0		
(768) MINDRAY BC 5xxx series		3,43	0,052	1,5	5	0	CVP	3,99	0,036	25%	2,99	4,99	5		
(772) Sysmex XN series		4,06	0,10	2,5	77	0	CVP	3,99	0,036	25%	2,99	4,99	77		
(773) Beckman Coulter DxH 600, DxH 800		3,95	0,20	5,1	16	0	CVP	3,99	0,036	25%	2,99	4,99	16		
Other					16	0						14			
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>Sample B</b>		2,65	0,18	6,7	172							157	153	97%	
(737) Siemens ADVIA 120, 2120, 2120i		2,71	0,16	6,0	14	0	CVP	2,68	0,025	25%	2,01	3,35	14		
(749) Sysmex XE, XS, XT series		2,71	0,097	3,6	31	0	CVP	2,68	0,025	25%	2,01	3,35	31		
(765) Abbott CELL-DYN Ruby		1,78	0,15	8,5	13	0	CVPG	1,78	0,10	25%	1,33	2,23	0		
(768) MINDRAY BC 5xxx series		2,37	0,0070	3,1	5	0	CVP	2,68	0,025	25%	2,01	3,35	5		
(772) Sysmex XN series		2,70	0,087	3,2	77	0	CVP	2,68	0,025	25%	2,01	3,35	77		
(773) Beckman Coulter DxH 600, DxH 800		2,72	0,16	5,8	16	0	CVP	2,68	0,025	25%	2,01	3,35	16		
Other					16	0						14			
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>(161) Lymphocytes</b>					172							157	144	92%	
Samples and groups	f.10(exp9)/L														
<b>Sample A</b>		0,976	0,079	8,0	172							157	147	94%	
(737) Siemens ADVIA 120, 2120, 2120i		0,895	0,082	9,1	14	6	CVP	0,962	0,012	25%	0,721	1,21	14		
(749) Sysmex XE, XS, XT series		0,970	0,053	5,4	31	0	CVP	0,962	0,012	25%	0,721	1,21	31		
(765) Abbott CELL-DYN Ruby		1,26	0,12	9,5	13	0	CVPG	1,26	0,082	25%	0,945	1,58	0		
(768) MINDRAY BC 5xxx series		1,21	0,022	1,8	5	0	CVP	0,962	0,012	25%	0,721	1,21	5		
(772) Sysmex XN series		0,963	0,042	4,4	77	1	CVP	0,962	0,012	25%	0,721	1,21	77		
(773) Beckman Coulter DxH 600, DxH 800		0,911	0,063	6,9	16	1	CVP	0,962	0,012	25%	0,721	1,21	16		
Other					16	0						14			
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>Sample B</b>		1,80	0,12	6,5	172							157	150	96%	
(737) Siemens ADVIA 120, 2120, 2120i		1,48	0,20	14	14	0	CVP	1,78	0,018	25%	1,33	2,23	14		
(749) Sysmex XE, XS, XT series		1,78	0,081	4,6	31	0	CVP	1,78	0,018	25%	1,33	2,23	31		
(765) Abbott CELL-DYN Ruby		2,60	0,24	9,1	13	0	CVPG	2,6	0,16	25%	1,95	3,25	0		
(768) MINDRAY BC 5xxx series		1,88	0,0150	7,9	5	0	CVP	1,78	0,018	25%	1,33	2,23	5		
(772) Sysmex XN series		1,79	0,063	3,5	77	0	CVP	1,78	0,018	25%	1,33	2,23	77		
(773) Beckman Coulter DxH 600, DxH 800		1,76	0,11	6,3	16	0	CVP	1,78	0,018	25%	1,33	2,23	16		
Other					16	0						14			
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>(162) Monocytes</b>					172							172	171	99%	
Samples and groups	f.10(exp9)/L														
<b>Sample A</b>		0,520	0,072	14	172		CVP	0,52	0,013	50%	0,26	0,78	172	171	99%

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							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>	
<b>(162) Monocytes</b>	f.10(exp9)/L]				172							172	171	99%	
Samples and groups															
<b>Sample A</b>		0,520	0,072	14	172		CVP	0,52	0,013	50%	0,26	0,78	172	171	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,380	0,049	13	14	0							14		
(749) Sysmex XE, XS, XT series		0,534	0,075	14	31	0							31		
(765) Abbott CELL-DYN Ruby		0,522	0,066	13	13	0							13		
(768) MINDRAY BC 5xxx series		0,450	0,18	40	5	0							5		
(772) Sysmex XN series		0,545	0,032	5,9	77	0							77		
(773) Beckman Coulter DxH 600, DxH 800		0,500	0,000	0,16	16	0							16		
Other					16	0							16		
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>Sample B</b>		0,490	0,075	15	172		CVP	0,49	0,014	50%	0,245	0,735	172	171	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,392	0,068	17	14	0							14		
(749) Sysmex XE, XS, XT series		0,508	0,066	13	31	0							31		
(765) Abbott CELL-DYN Ruby		0,459	0,073	16	13	0							13		
(768) MINDRAY BC 5xxx series		0,410	0,045	11	5	0							5		
(772) Sysmex XN series		0,524	0,037	7,0	77	0							77		
(773) Beckman Coulter DxH 600, DxH 800		0,450	0,053	12	16	0							16		
Other					16	0							16		
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>(163) Eosinophiles</b>	f.10(exp9)/L]				172								167	156	93%
Samples and groups															
<b>Sample A</b>		0,079	0,017	21	172								167	160	96%
(737) Siemens ADVIA 120, 2120, 2120i		0,074	0,016	22	14	0	CVP	0,078	,0030	asym.	0	0,168	14		
(749) Sysmex XE, XS, XT series		0,084	0,013	16	31	0	CVP	0,078	,0030	asym.	0	0,168	31		
(765) Abbott CELL-DYN Ruby		0,071	0,009	14	13	0	CVP	0,078	,0030	asym.	0	0,168	13		
(768) MINDRAY BC 5xxx series		0,290	0,03	10	5	0	CVPG	0,29	0,084	50%	0,145	0,435	0		
(772) Sysmex XN series		0,074	0,01	14	77	0	CVP	0,078	,0030	asym.	0	0,168	77		
(773) Beckman Coulter DxH 600, DxH 800		0,094	0,02	22	16	0	CVP	0,078	,0030	asym.	0	0,168	16		
Other					16	0							16		
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>Sample B</b>		0,159	0,029	19	172								167	158	95%
(737) Siemens ADVIA 120, 2120, 2120i		0,091	0,021	23	14	0	CVP	0,157	,0055	50%	0,078	0,236	14		
(749) Sysmex XE, XS, XT series		0,168	0,024	14	31	0	CVP	0,157	,0055	50%	0,078	0,236	31		
(765) Abbott CELL-DYN Ruby		0,127	0,028	22	13	0	CVP	0,157	,0055	50%	0,078	0,236	13		
(768) MINDRAY BC 5xxx series		0,265	0,11	42	5	0	CVPG	0,265	0,31	50%	0,132	0,398	0		
(772) Sysmex XN series		0,163	0,012	7,4	77	0	CVP	0,157	,0055	50%	0,078	0,236	77		
(773) Beckman Coulter DxH 600, DxH 800		0,153	0,051	33	16	0	CVP	0,157	,0055	50%	0,078	0,236	16		
Other					16	0							16		
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>(164) Basophiles</b>	f.10(exp9)/L]				172								172	169	98%
Samples and groups															
<b>Sample A</b>		0,032	0,014	44	172		CVP	0,032	,0027	asym.	0	0,168	172	172	100%
(737) Siemens ADVIA 120, 2120, 2120i		0,034	0,005	17	14	0							14		
(749) Sysmex XE, XS, XT series		0,023	0,011	46	31	0							31		
(765) Abbott CELL-DYN Ruby		0,069	0,02	28	13	0							13		
(768) MINDRAY BC 5xxx series		0,025	0,007	30	5	0							5		
(772) Sysmex XN series		0,034	0,008	26	77	0							77		
(773) Beckman Coulter DxH 600, DxH 800		0,013	0,021	160	16	0							16		
Other					16	0							16		
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								
<b>Sample B</b>		0,040	0,018	44	172		CVP	0,04	,0033	asym.	0	0,155	172	169	98%
(737) Siemens ADVIA 120, 2120, 2120i		0,043	0,01	23	14	0							14		
(749) Sysmex XE, XS, XT series		0,030	0,013	44	31	0							31		
(765) Abbott CELL-DYN Ruby		0,134	0,022	16	13	0							13		
(768) MINDRAY BC 5xxx series		0,020	0,000	0,00	5	0							5		
(772) Sysmex XN series		0,044	0,008	19	77	0							77		
(773) Beckman Coulter DxH 600, DxH 800		0,003	0,005	170	16	0							16		
Other					16	0							16		
							3x 703, 2x 707, 1x 719, 4x 743, 3x 744, 3x 771								

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End of report

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