

## Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

## EQA round: DA4/18 - Differential Count - Automatic

Dead line: 19.10.2018

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							
		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>					197							197	196	99%
Samples and groups	f·10(exp9)/L													
<b>Sample A</b>		3,54	0,13	3,7	197	CVP	3,54	0,023	18%	2,9	4,18	197	196	99%
(737) Siemens ADVIA 120, 2120, 2120i		3,36	0,21	6,2	17	0						17		
(743) Nihon Kohden Celltac E, F		3,50	0,15	4,2	8	0						8		
(749) Sysmex XE, XS, XT series		3,60	0,077	2,1	35	0						35		
(765) Abbott CELL-DYN Ruby		3,49	0,13	3,8	16	0						16		
(768) MINDRAY BC 5xxx series		3,59	0,15	4,1	9	0						9		
(772) Sysmex XN series		3,57	0,099	2,8	85	0						85		
(773) Beckman Coulter DxH 600, DxH 800		3,42	0,13	3,9	15	0						15		
Other					12	0						12		
							2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>Sample B</b>		5,99	0,22	3,6	197	CVP	5,99	0,038	15%	5,09	6,89	197	197	100%
(737) Siemens ADVIA 120, 2120, 2120i		5,59	0,26	4,7	17	0						17		
(743) Nihon Kohden Celltac E, F		5,85	0,22	3,8	8	0						8		
(749) Sysmex XE, XS, XT series		6,06	0,13	2,1	35	0						35		
(765) Abbott CELL-DYN Ruby		5,88	0,21	3,6	16	0						16		
(768) MINDRAY BC 5xxx series		6,12	0,37	6,1	9	0						9		
(772) Sysmex XN series		6,08	0,14	2,3	85	0						85		
(773) Beckman Coulter DxH 600, DxH 800		5,79	0,28	4,9	15	0						15		
Other					12	0						12		
							2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>(160) Neutrophiles</b>					198							198	197	99%
Samples and groups	f·10(exp9)/L													
<b>Sample A</b>		1,69	0,088	5,2	198	CVP	1,69	0,015	25%	1,26	2,12	198	198	100%
(737) Siemens ADVIA 120, 2120, 2120i		1,74	0,12	6,8	17	0						17		
(743) Nihon Kohden Celltac E, F		1,71	0,29	17	8	0						8		
(749) Sysmex XE, XS, XT series		1,70	0,057	3,3	35	0						35		
(765) Abbott CELL-DYN Ruby		1,57	0,063	4,0	17	0						17		
(768) MINDRAY BC 5xxx series		1,70	0,052	3,1	9	0						9		
(772) Sysmex XN series		1,70	0,062	3,6	85	0						85		
(773) Beckman Coulter DxH 600, DxH 800		1,68	0,12	7,3	15	0						15		
Other					12	0						12		
							2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>Sample B</b>		3,94	0,21	5,2	198	CVP	3,94	0,036	25%	2,95	4,93	198	197	99%
(737) Siemens ADVIA 120, 2120, 2120i		3,79	0,22	5,9	17	0						17		
(743) Nihon Kohden Celltac E, F		3,54	0,39	11	8	0						8		
(749) Sysmex XE, XS, XT series		4,03	0,11	2,6	35	0						35		
(765) Abbott CELL-DYN Ruby		3,62	0,14	3,9	17	0						17		
(768) MINDRAY BC 5xxx series		3,74	0,29	7,7	9	0						9		
(772) Sysmex XN series		4,03	0,11	2,7	85	0						85		
(773) Beckman Coulter DxH 600, DxH 800		3,87	0,25	6,3	15	0						15		
Other					12	0						12		
							2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>(161) Lymphocytes</b>					198							198	192	97%
Samples and groups	f·10(exp9)/L													
<b>Sample A</b>		1,14	0,083	7,3	198	CVP	1,14	0,014	25%	0,855	1,43	198	195	98%
(737) Siemens ADVIA 120, 2120, 2120i		0,992	0,092	9,2	17	0						17		
(743) Nihon Kohden Celltac E, F		1,10	0,15	13	8	0						8		
(749) Sysmex XE, XS, XT series		1,17	0,052	4,5	35	0						35		
(765) Abbott CELL-DYN Ruby		1,29	0,11	8,8	17	0						17		
(768) MINDRAY BC 5xxx series		1,26	0,067	5,3	9	0						9		
(772) Sysmex XN series		1,12	0,045	4,0	85	0						85		
(773) Beckman Coulter DxH 600, DxH 800		1,06	0,053	5,0	15	0						15		
Other					12	0						12		
							2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>Sample B</b>		1,49	0,11	7,3	198	CVP	1,49	0,019	25%	1,11	1,87	198	194	98%
(737) Siemens ADVIA 120, 2120, 2120i		1,29	0,077	6,0	17	0						17		
(743) Nihon Kohden Celltac E, F		1,65	0,37	22	8	0						8		
(749) Sysmex XE, XS, XT series		1,50	0,056	3,7	35	0						35		
(765) Abbott CELL-DYN Ruby		1,73	0,12	6,9	17	0						17		
(768) MINDRAY BC 5xxx series		1,61	0,10	6,4	9	0						9		
(772) Sysmex XN series		1,49	0,055	3,7	85	0						85		
(773) Beckman Coulter DxH 600, DxH 800		1,40	0,075	5,4	15	0						15		

## Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

## EQA round: DA4/18 - Differential Count - Automatic

Dead line: 19.10.2018

Test	[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>	
<b>(161) Lymphocytes</b>					198							198	192	97%	
Samples and groups	f.10(exp9)/L														
<b>Sample B</b>		1,49	0,11	7,3	198		CVP	1,49	0,019	25%	1,11	1,87	198	194	98%
Other					12	0							12		
								2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>(162) Monocytes</b>					198							198	191	96%	
Samples and groups	f.10(exp9)/L														
<b>Sample A</b>		0,411	0,07	17	198		CVP	0,411	0,012	50%	0,205	0,617	198	196	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,331	0,029	8,8	17	0							17		
(743) Nihon Kohden Celltac E, F		0,400	0,15	37	8	0							8		
(749) Sysmex XE, XS, XT series		0,445	0,045	10	35	0							35		
(765) Abbott CELL-DYN Ruby		0,308	0,054	18	17	0							17		
(768) MINDRAY BC 5xxx series		0,315	0,052	16	9	0							9		
(772) Sysmex XN series		0,448	0,029	6,6	85	0							85		
(773) Beckman Coulter DxH 600, DxH 800		0,393	0,027	6,9	15	0							15		
Other					12	0							12		
								2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>Sample B</b>		0,353	0,059	17	198		CVP	0,353	0,010	50%	0,176	0,53	198	192	97%
(737) Siemens ADVIA 120, 2120, 2120i		0,237	0,03	13	17	0							17		
(743) Nihon Kohden Celltac E, F		0,500	0,15	30	8	0							8		
(749) Sysmex XE, XS, XT series		0,364	0,03	8,2	35	0							35		
(765) Abbott CELL-DYN Ruby		0,311	0,044	14	17	0							17		
(768) MINDRAY BC 5xxx series		0,330	0,12	36	9	0							9		
(772) Sysmex XN series		0,377	0,033	8,8	85	0							85		
(773) Beckman Coulter DxH 600, DxH 800		0,315	0,03	9,4	15	0							15		
Other					12	0							12		
								2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>(163) Eosinophiles</b>					198							198	182	92%	
Samples and groups	f.10(exp9)/L														
<b>Sample A</b>		0,253	0,03	12	198		CVP	0,253	,0052	50%	0,126	0,38	198	194	98%
(737) Siemens ADVIA 120, 2120, 2120i		0,187	0,056	30	17	0							17		
(743) Nihon Kohden Celltac E, F		0,250	0,074	30	8	0							8		
(749) Sysmex XE, XS, XT series		0,257	0,024	9,2	35	0							35		
(765) Abbott CELL-DYN Ruby		0,256	0,014	5,5	17	0							17		
(768) MINDRAY BC 5xxx series		0,285	0,037	13	9	0							9		
(772) Sysmex XN series		0,256	0,023	9,0	85	0							85		
(773) Beckman Coulter DxH 600, DxH 800		0,269	0,032	12	15	0							15		
Other					12	0							12		
								2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>Sample B</b>		0,133	0,026	20	198		CVP	0,133	,0046	asym.	0	0,2	198	186	94%
(737) Siemens ADVIA 120, 2120, 2120i		0,152	0,029	19	17	0							17		
(743) Nihon Kohden Celltac E, F		0,150	0,074	49	8	0							8		
(749) Sysmex XE, XS, XT series		0,135	0,019	14	35	0							35		
(765) Abbott CELL-DYN Ruby		0,103	0,027	26	17	0							17		
(768) MINDRAY BC 5xxx series		0,345	0,11	32	9	0							9		
(772) Sysmex XN series		0,134	0,016	12	85	0							85		
(773) Beckman Coulter DxH 600, DxH 800		0,119	0,031	26	15	0							15		
Other					12	0							12		
								2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>(164) Basophiles</b>					198							198	196	99%	
Samples and groups	f.10(exp9)/L														
<b>Sample A</b>		0,038	0,015	39	198		CVP	0,038	,0026	asym.	0	0,107	198	197	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,038	0,008	23	17	0							17		
(743) Nihon Kohden Celltac E, F		0,050	0,074	150	8	0							8		
(749) Sysmex XE, XS, XT series		0,033	0,011	34	35	0							35		
(765) Abbott CELL-DYN Ruby		0,061	0,013	21	17	0							17		
(768) MINDRAY BC 5xxx series		0,025	0,007	30	9	0							9		
(772) Sysmex XN series		0,040	0,008	21	85	0							85		
(773) Beckman Coulter DxH 600, DxH 800		0,020	0,025	120	15	0							15		
Other					12	0							12		
								2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							
<b>Sample B</b>		0,052	0,021	41	198		CVP	0,052	,0037	asym.	0	0,18	198	197	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,047	0,014	30	17	0							17		
(743) Nihon Kohden Celltac E, F		0,050	0,074	150	8	0							8		
(749) Sysmex XE, XS, XT series		0,040	0,015	38	35	0							35		
(765) Abbott CELL-DYN Ruby		0,125	0,025	20	17	0							17		
(768) MINDRAY BC 5xxx series		0,035	0,007	21	9	0							9		
(772) Sysmex XN series		0,052	0,011	21	85	0							85		
(773) Beckman Coulter DxH 600, DxH 800		0,066	0,031	47	15	0							15		
Other					12	0							12		
								2x 703, 1x 707, 2x 716, 2x 719, 1x 729, 2x 771, 2x 999							

