

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA1/18 - Differential Count - Automatic

Dead line: 16.03.2018

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 _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(130) WBC	[·10 ⁹ /L]				194							194	194	100%
Samples and groups														
Sample A		6,15	0,21	3,4	194	CVP	6,15	0,036	15%	5,22	7,08	194	194	100%
(703) Siemens ADVIA 560		6,17	0,18	2,9	6	0						6		
(737) Siemens ADVIA 120, 2120, 2120i		5,89	0,23	4,0	15	0						15		
(743) Nihon Kohden Celltac E, F		6,15	0,22	3,6	8	0						8		
(749) Sysmex XE, XS, XT series		6,17	0,19	3,1	37	0						37		
(765) Abbott CELL-DYN Ruby		5,93	0,25	4,2	17	0						17		
(768) MINDRAY BC 5xxx series		5,99	0,16	2,7	5	0						5		
(772) Sysmex XN series		6,23	0,12	2,0	79	0						79		
(773) Beckman Coulter DxH 600, DxH 800		6,10	0,22	3,6	15	0						15		
Other					12	0						12		
							2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999							
Sample B		3,34	0,11	3,2	194	CVP	3,34	0,019	18%	2,73	3,95	194	194	100%
(703) Siemens ADVIA 560		3,39	0,17	5,0	6	0						6		
(737) Siemens ADVIA 120, 2120, 2120i		3,19	0,14	4,3	15	0						15		
(743) Nihon Kohden Celltac E, F		3,35	0,074	2,2	8	0						8		
(749) Sysmex XE, XS, XT series		3,34	0,093	2,8	37	0						37		
(765) Abbott CELL-DYN Ruby		3,28	0,17	5,2	17	0						17		
(768) MINDRAY BC 5xxx series		3,28	0,045	1,4	5	0						5		
(772) Sysmex XN series		3,37	0,077	2,3	79	0						79		
(773) Beckman Coulter DxH 600, DxH 800		3,34	0,10	3,0	15	0						15		
Other					12	0						12		
							2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999							
(160) Neutrophiles	[·10 ⁹ /L]				195							195	190	97%
Samples and groups														
Sample A		3,99	0,16	4,0	195	CVP	3,99	0,028	25%	2,99	4,99	195	190	97%
(703) Siemens ADVIA 560		4,27	0,17	4,0	6	0						6		
(737) Siemens ADVIA 120, 2120, 2120i		3,94	0,16	4,0	15	1						15		
(743) Nihon Kohden Celltac E, F		3,69	0,43	12	8	1						8		
(749) Sysmex XE, XS, XT series		3,98	0,14	3,4	37	1						37		
(765) Abbott CELL-DYN Ruby		3,80	0,16	4,1	18	0						18		
(768) MINDRAY BC 5xxx series		3,78	0,23	6,1	5	0						5		
(772) Sysmex XN series		4,03	0,093	2,3	79	0						79		
(773) Beckman Coulter DxH 600, DxH 800		4,03	0,16	3,9	15	0						15		
Other					12	0						12		
							2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999							
Sample B		1,93	0,084	4,3	195	CVP	1,93	0,015	25%	1,44	2,42	195	191	98%
(703) Siemens ADVIA 560		2,12	0,10	4,9	6	0						6		
(737) Siemens ADVIA 120, 2120, 2120i		1,91	0,085	4,5	15	1						15		
(743) Nihon Kohden Celltac E, F		1,68	0,26	15	8	1						8		
(749) Sysmex XE, XS, XT series		1,94	0,068	3,5	37	1						37		
(765) Abbott CELL-DYN Ruby		1,85	0,12	6,3	18	0						18		
(768) MINDRAY BC 5xxx series		1,85	0,13	7,2	5	0						5		
(772) Sysmex XN series		1,95	0,057	2,9	79	0						79		
(773) Beckman Coulter DxH 600, DxH 800		1,93	0,054	2,8	15	0						15		
Other					12	0						12		
							2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999							
(161) Lymphocytes	[·10 ⁹ /L]				195							195	189	97%
Samples and groups														
Sample A		1,34	0,093	7,0	195	CVP	1,34	0,017	25%	1	1,68	195	189	97%
(703) Siemens ADVIA 560		1,19	0,089	7,5	6	0						6		
(737) Siemens ADVIA 120, 2120, 2120i		1,18	0,084	7,1	15	1						15		
(743) Nihon Kohden Celltac E, F		1,38	0,18	13	8	1						8		
(749) Sysmex XE, XS, XT series		1,36	0,084	6,2	37	1						37		
(765) Abbott CELL-DYN Ruby		1,27	0,12	9,7	18	0						18		
(768) MINDRAY BC 5xxx series		1,46	0,10	7,1	5	0						5		
(772) Sysmex XN series		1,37	0,049	3,6	79	0						79		
(773) Beckman Coulter DxH 600, DxH 800		1,28	0,076	6,0	15	0						15		
Other					12	0						12		
							2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999							
Sample B		1,07	0,055	5,1	195	CVP	1,07	0,097	25%	0,802	1,34	195	189	97%
(703) Siemens ADVIA 560		0,985	0,0070	7,5	6	0						6		
(737) Siemens ADVIA 120, 2120, 2120i		0,980	0,054	5,5	15	1						15		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA1/18 - Differential Count - Automatic

Dead line: 16.03.2018

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability									
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}		
(161) Lymphocytes					195							195	189	97%		
Samples and groups	f.10(exp9)/L]															
Sample B		1,07	0,055	5,1	195		CVP	1,07	,0097	25%	0,802	1,34	195	189	97%	
(743) Nihon Kohden Celltac E, F		1,09	0,16	15	8	1							8			
(749) Sysmex XE, XS, XT series		1,07	0,059	5,5	37	2							37			
(765) Abbott CELL-DYN Ruby		1,08	0,068	6,3	18	0							18			
(768) MINDRAY BC 5xxx series		1,13	0,059	5,2	5	0							5			
(772) Sysmex XN series		1,08	0,035	3,2	79	0							79			
(773) Beckman Coulter DxH 600, DxH 800		1,08	0,042	3,9	15	0							15			
Other					12	0							12			
								2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999								
(162) Monocytes					195								195	183	94%	
Samples and groups	f.10(exp9)/L]															
Sample A		0,655	0,072	11	195		CVP	0,655	0,013	50%	0,327	0,983	195	186	95%	
(703) Siemens ADVIA 560		0,420	0,27	64	6	0							6			
(737) Siemens ADVIA 120, 2120, 2120i		0,480	0,043	8,9	15	1							15			
(743) Nihon Kohden Celltac E, F		0,877	0,41	47	8	0							8			
(749) Sysmex XE, XS, XT series		0,698	0,066	9,4	37	0							37			
(765) Abbott CELL-DYN Ruby		0,640	0,055	8,6	18	0							18			
(768) MINDRAY BC 5xxx series		0,490	0,015	3,0	5	0							5			
(772) Sysmex XN series		0,672	0,028	4,1	79	0							79			
(773) Beckman Coulter DxH 600, DxH 800		0,657	0,053	8,1	15	0							15			
Other					12	0							12			
								2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999								
Sample B		0,286	0,034	12	195		CVP	0,286	,0059	50%	0,143	0,429	195	184	94%	
(703) Siemens ADVIA 560		0,145	0,16	110	6	0							6			
(737) Siemens ADVIA 120, 2120, 2120i		0,192	0,027	14	15	0							15			
(743) Nihon Kohden Celltac E, F		0,413	0,17	40	8	0							8			
(749) Sysmex XE, XS, XT series		0,298	0,03	10	37	0							37			
(765) Abbott CELL-DYN Ruby		0,285	0,025	8,8	18	0							18			
(768) MINDRAY BC 5xxx series		0,205	0,052	25	5	0							5			
(772) Sysmex XN series		0,293	0,018	6,3	79	0							79			
(773) Beckman Coulter DxH 600, DxH 800		0,296	0,005	1,9	15	0							15			
Other					12	0							12			
								2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999								
(163) Eosinophiles					195								195	188	96%	
Samples and groups	f.10(exp9)/L]															
Sample A		0,113	0,017	15	195		CVP	0,113	,0029	asym.	0	0,185	195	188	96%	
(703) Siemens ADVIA 560		0,090	0,059	66	6	0							6			
(737) Siemens ADVIA 120, 2120, 2120i		0,140	0,029	21	15	0							15			
(743) Nihon Kohden Celltac E, F		0,084	0,025	29	8	0							8			
(749) Sysmex XE, XS, XT series		0,114	0,016	14	37	0							37			
(765) Abbott CELL-DYN Ruby		0,113	0,015	13	18	0							18			
(768) MINDRAY BC 5xxx series		0,225	0,13	56	5	0							5			
(772) Sysmex XN series		0,113	0,012	11	79	0							79			
(773) Beckman Coulter DxH 600, DxH 800		0,101	0,006	6,1	15	0							15			
Other					12	0							12			
								2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999								
Sample B		0,026	0,01	39	195		CVP	0,026	,0017	asym.	0	0,101	195	190	97%	
(703) Siemens ADVIA 560		0,025	0,007	30	6	0							6			
(737) Siemens ADVIA 120, 2120, 2120i		0,049	0,015	31	15	0							15			
(743) Nihon Kohden Celltac E, F		0,011	0,016	150	8	0							8			
(749) Sysmex XE, XS, XT series		0,025	0,006	25	37	0							37			
(765) Abbott CELL-DYN Ruby		0,026	0,004	17	18	0							18			
(768) MINDRAY BC 5xxx series		0,075	0,067	89	5	0							5			
(772) Sysmex XN series		0,025	0,006	26	79	0							79			
(773) Beckman Coulter DxH 600, DxH 800		0,011	0,017	150	15	0							15			
Other					12	0							12			
								2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999								
(164) Basophiles					195								195	188	96%	
Samples and groups	f.10(exp9)/L]															
Sample A		0,048	0,023	47	195		CVP	0,048	,0040	asym.	0	0,185	195	189	97%	
(703) Siemens ADVIA 560		0,080	0,015	19	6	0							6			
(737) Siemens ADVIA 120, 2120, 2120i		0,048	0,019	38	15	0							15			
(743) Nihon Kohden Celltac E, F		0,102	0,15	140	8	0							8			
(749) Sysmex XE, XS, XT series		0,034	0,013	39	37	0							37			
(765) Abbott CELL-DYN Ruby		0,109	0,026	24	18	0							18			
(768) MINDRAY BC 5xxx series		0,030	0,015	49	5	0							5			
(772) Sysmex XN series		0,047	0,009	20	79	0							79			
(773) Beckman Coulter DxH 600, DxH 800		0,037	0,043	120	15	0							15			

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA1/18 - Differential Count - Automatic

Dead line: 16.03.2018

Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability							
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(164) Basophiles					195							195	188	96%
----- Samples and groups -----	f.10(exp9)/L]													
Sample A		0,048	0,023	47	195		CVP	0,048	,0040	asym.	0	0,185		195 189 97%
Other					12	0								12
							2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999							
Sample B		0,021	0,014	65	195		CVP	0,021	,0024	asym.	0	0,101		195 190 97%
(703) Siemens ADVIA 560		0,065	0,052	80	6	0								6
(737) Siemens ADVIA 120, 2120, 2120i		0,020	0,009	45	15	0								15
(743) Nihon Kohden Celltac E, F		0,050	0,074	150	8	0								8
(749) Sysmex XE, XS, XT series		0,016	0,009	56	37	0								37
(765) Abbott CELL-DYN Ruby		0,053	0,017	31	18	0								18
(768) MINDRAY BC 5xxx series		0,010	0,000,00		5	0								5
(772) Sysmex XN series		0,021	0,006	31	79	0								79
(773) Beckman Coulter DxH 600, DxH 800		0,011	0,017	150	15	0								15
Other					12	0								12
							2x 707, 2x 716, 1x 719, 1x 729, 1x 744, 1x 751, 3x 771, 1x 999							
st_kn_p							End of report							Printed: 22.03.2018