Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA4/19 - Differential Count - Automatic

Dead line: 18.10.2019

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 / Samples and groups	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(130) WBC	[10(exp9)/L]				207								207	207	100%
Sample A		5,92	0,21	3,5	207		CVP	5,92	0,035	15%	5,03	6,81	207	207	100%
(737) Siemens Advia 120, 2120, 2120i		5,70	0,15	2,7	16	0							16		
(743) Nihon Kohden Celltac E, F		6,05	0,074	1,2	6	0							6		
(749) Sysmex XE, XS, XT series		6,05	0,17	2,8	23	0							23		
(765) Abbott CELL-DYN Ruby		5,68	0,25	4,4	25	0							25		
(771) MINDRAY BC 6xxx series		5,93	0,096	1,6	6	0							6		
(772) Sysmex XN series		5,98	0,14	2,3	105	0							105		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		5,80	0,15	2,7	13	0							13		
Other					13	0	1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999						13		
Sample B		4,47	0,16	3,5	207		CVP	4,47	0,027	15%	3,79	5,15	207	207	100%
(737) Siemens Advia 120, 2120, 2120i		4,21	0,16	3,8	16	0							16		
(743) Nihon Kohden Celltac E, F		4,55	0,074	1,6	6	0							6		
(749) Sysmex XE, XS, XT series		4,59	0,11	2,3	23	0							23		
(765) Abbott CELL-DYN Ruby		4,29	0,12	2,9	25	0							25		
(771) MINDRAY BC 6xxx series		4,52	0,096	2,1	6	0							6		
(772) Sysmex XN series		4,52	0,10	2,2	105	0							105		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,43	0,13	2,9	13	0							13		
Other					13	0	1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999						13		
(160) Neutrophiles	[10(exp9)/L]				207								207	206	100%
Sample A		2,34	0,16	6,9	207								207	206	100%
(1) Automate; (737) Siemens Advia 120, 2120, 2120i		2,40	0,078	3,3	16	1	CVP	2,39	0,018	25%	1,79	2,99	16		
(1) Automate; (749) Sysmex XE, XS, XT series		2,40	0,096	4,0	23	0	CVP	2,39	0,018	25%	1,79	2,99	23		
(1) Automate; (771) MINDRAY BC 6xxx series		2,55	0,052	2,0	6	0	CVP	2,39	0,018	25%	1,79	2,99	6		
(1) Automate; (772) Sysmex XN series		2,39	0,08	3,4	105	0	CVP	2,39	0,018	25%	1,79	2,99	105		
(1) Automate; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,34	0,14	5,9	13	0	CVP	2,39	0,018	25%	1,79	2,99	13		
(2) Automat 2; (743) Nihon Kohden Celltac E, F		1,88	0,12	6,3	6	0	CVP	1,77	0,064	25%	1,32	2,22	6		
(2) Automat 2; (765) Abbott CELL-DYN Ruby		1,75	0,16	9,2	25	0	CVP	1,77	0,064	25%	1,32	2,22	25		
Other					13	0	1x 1/702, 1x 1/703, 1x 1/718, 4x 1/768, 2x 1/999, 2x 2/716, 2x 2/744						13		
Sample B		1,99	0,14	6,9	207								207	206	100%
(1) Automate; (737) Siemens Advia 120, 2120, 2120i		1,98	0,10	5,1	16	1	CVP	2,03	0,017	25%	1,52	2,54	16		
(1) Automate; (749) Sysmex XE, XS, XT series		2,07	0,069	3,4	23	0	CVP	2,03	0,017	25%	1,52	2,54	23		
(1) Automate; (771) MINDRAY BC 6xxx series		2,13	0,015	0,69	6	0	CVP	2,03	0,017	25%	1,52	2,54	6		
(1) Automate; (772) Sysmex XN series		2,04	0,073	3,6	105	0	CVP	2,03	0,017	25%	1,52	2,54	105		
(1) Automate; (773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,02	0,13	6,5	13	0	CVP	2,03	0,017	25%	1,52	2,54	13		
(2) Automat 2; (743) Nihon Kohden Celltac E, F		1,72	0,17	10	6	0	CVP	1,7	0,060	25%	1,27	2,13	6		
(2) Automat 2; (765) Abbott CELL-DYN Ruby		1,69	0,14	8,4	25	0	CVP	1,7	0,060	25%	1,27	2,13	25		
Other					13	0	1x 1/702, 1x 1/703, 1x 1/718, 4x 1/768, 2x 1/999, 2x 2/716, 2x 2/744						13		
(161) Lymphocytes	[10(exp9)/L]				207								207	206	100%
Sample A		3,10	0,15	4,9	207		CVP	3,1	0,026	25%	2,32	3,88	207	206	100%
(737) Siemens Advia 120, 2120, 2120i		2,75	0,10	3,8	16	1							16		
(743) Nihon Kohden Celltac E, F		3,64	0,059	1,6	6	0							6		
(749) Sysmex XE, XS, XT series		3,14	0,095	3,0	24	0							24		
(765) Abbott CELL-DYN Ruby		3,35	0,12	3,6	25	0							25		
(771) MINDRAY BC 6xxx series		3,05	0,089	2,9	6	0							6		
(772) Sysmex XN series		3,07	0,087	2,8	104	0							104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,00	0,099	3,3	13	0							13		
Other					13	0	1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999						13		
Sample B		2,02	0,09	4,5	207		CVP	2,02	0,015	25%	1,51	2,53	207	206	100%

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA4/19 - Differential Count - Automatic

Dead line: 18.10.2019

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 [10(exp9)/L]				207							207	206	100%
Samples and groups													
Sample B	2,02	0,09	4,5	207		CVP 2,02	0,015	25%	1,51	2,53	207	206	100%
(737) Siemens Advia 120, 2120, 2120i	1,79	0,08	4,5	16	1						16		
(743) Nihon Kohden Celltac E, F	2,16	0,082	3,8	6	0						6		
(749) Sysmex XE, XS, XT series	2,04	0,053	2,6	24	0						24		
(765) Abbott CELL-DYN Ruby	2,10	0,078	3,7	25	0						25		
(771) MINDRAY BC 6xxx series	2,03	0,12	5,8	6	0						6		
(772) Sysmex XN series	2,01	0,069	3,4	104	0						104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	1,95	0,11	5,6	13	0						13		
Other				13	0						13		
						1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999							
(162) Monocytes [10(exp9)/L]				207							207	203	98%
Samples and groups													
Sample A	0,355	0,054	15	207		CVP 0,355	,0091	50%	0,177	0,533	207	206	100%
(737) Siemens Advia 120, 2120, 2120i	0,257	0,045	18	16	0						16		
(743) Nihon Kohden Celltac E, F	0,430	0,10	24	6	0						6		
(749) Sysmex XE, XS, XT series	0,358	0,029	8,0	24	0						24		
(765) Abbott CELL-DYN Ruby	0,366	0,046	13	25	0						25		
(771) MINDRAY BC 6xxx series	0,245	0,037	15	6	0						6		
(772) Sysmex XN series	0,368	0,039	11	104	0						104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,333	0,05	15	13	0						13		
Other				13	0						13		
						1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999							
Sample B	0,360	0,039	11	207		CVP 0,36	,0066	50%	0,18	0,54	207	203	98%
(737) Siemens Advia 120, 2120, 2120i	0,273	0,046	17	16	0						16		
(743) Nihon Kohden Celltac E, F	0,491	0,18	37	6	0						6		
(749) Sysmex XE, XS, XT series	0,362	0,031	8,6	24	0						24		
(765) Abbott CELL-DYN Ruby	0,350	0,029	8,3	25	0						25		
(771) MINDRAY BC 6xxx series	0,265	0,007	2,8	6	0						6		
(772) Sysmex XN series	0,374	0,022	5,9	104	0						104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,346	0,05	14	13	0						13		
Other				13	0						13		
						1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999							
(163) Eosinophiles [10(exp9)/L]				207							207	203	98%
Samples and groups													
Sample A	0,082	0,015	18	207		CVP 0,082	,0025	asym.	0	0,178	207	205	99%
(737) Siemens Advia 120, 2120, 2120i	0,086	0,017	19	16	0						16		
(743) Nihon Kohden Celltac E, F	0,100	0,0000	,70	6	0						6		
(749) Sysmex XE, XS, XT series	0,083	0,013	15	24	0						24		
(765) Abbott CELL-DYN Ruby	0,072	0,006	9,3	25	0						25		
(771) MINDRAY BC 6xxx series	0,085	0,022	26	6	0						6		
(772) Sysmex XN series	0,081	0,013	16	104	0						104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,090	0,014	16	13	0						13		
Other				13	0						13		
						1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999							
Sample B	0,077	0,013	17	207		CVP 0,077	,0022	asym.	0	0,134	207	204	99%
(737) Siemens Advia 120, 2120, 2120i	0,073	0,019	26	16	0						16		
(743) Nihon Kohden Celltac E, F	0,095	0,007	7,8	6	0						6		
(749) Sysmex XE, XS, XT series	0,075	0,007	10	24	0						24		
(765) Abbott CELL-DYN Ruby	0,073	0,011	15	25	0						25		
(771) MINDRAY BC 6xxx series	0,080	0,000	,00	6	0						6		
(772) Sysmex XN series	0,076	0,009	12	104	0						104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,091	0,012	14	13	0						13		
Other				13	0						13		
						1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999							
(164) Basophiles [10(exp9)/L]				207							207	203	98%
Samples and groups													
Sample A	0,075	0,034	46	207		CVP 0,075	,0059	asym.	0	0,178	207	203	98%
(737) Siemens Advia 120, 2120, 2120i	0,091	0,04	44	16	0						16		
(743) Nihon Kohden Celltac E, F	0,070	0,045	64	6	0						6		
(749) Sysmex XE, XS, XT series	0,068	0,029	42	24	0						24		
(765) Abbott CELL-DYN Ruby	0,129	0,021	16	25	0						25		
(771) MINDRAY BC 6xxx series	0,044	0,021	47	6	0						6		
(772) Sysmex XN series	0,072	0,02	28	104	0						104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,037	0,046	120	13	0						13		
Other				13	0						13		
						1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999							
Sample B	0,033	0,024	72	207		CVP 0,033	,0041	asym.	0	0,134	207	205	99%
(737) Siemens Advia 120, 2120, 2120i	0,031	0,023	73	16	0						16		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA4/19 - Differential Count - Automatic

Dead line: 18.10.2019

Test / Samples and groups	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(164) Basophiles	[10(exp9)/L]				207							207	203	98%
Sample B		0,033	0,024	72	207		CVP 0,033	,0041	asym.		0 0,134	207	205	99%
(743) Nihon Kohden Celltac E, F		0,065	0,067	100	6	0						6		
(749) Sysmex XE, XS, XT series		0,024	0,012	49	24	0						24		
(765) Abbott CELL-DYN Ruby		0,087	0,021	24	25	0						25		
(771) MINDRAY BC 6xxx series		0,015	0,007	49	6	0						6		
(772) Sysmex XN series		0,031	0,014	46	104	0						104		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,012	0,017	140	13	0						13		
Other					13	0	1x 702, 1x 703, 2x 716, 1x 718, 2x 744, 4x 768, 2x 999					13		

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End of report

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