Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA3/19 - Differential Count - Automatic

Dead line: 06.09.2019

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 [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]				176								176	174	99%
Samples and groups														
Sample A	18,4	0,77	4,2	176		CVP	18,4	0,14	asym.	9,2	21,2	176	176	100%
(737) Siemens Advia 120, 2120, 2120i	16,2	2,3	14	14	0							14		
(749) Sysmex XE, XS, XT series	18,7	0,72	3,8	26	0							26		
(765) Abbott CELL-DYN Ruby	15,6	3,4	22	10	0							10		
(768) MINDRAY BC 5xxx series	18,0	1,1	6,3	5	0							5		
(771) MINDRAY BC 6xxx series	18,6	0,93	5,0	9	0							9		
(772) Sysmex XN series	18,8	0,42	2,3	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	17,9	0,44	2,4	14	0							14		
Other				8	0							8		
						1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763								
Sample B	4,70	0,16	3,5	176		CVP	4,7	0,030	15%	3,99	5,41	176	174	99%
(737) Siemens Advia 120, 2120, 2120i	4,47	0,27	6,0	14	0							14		
(749) Sysmex XE, XS, XT series	4,73	0,19	4,0	26	0							26		
(765) Abbott CELL-DYN Ruby	4,60	0,24	5,3	10	0							10		
(768) MINDRAY BC 5xxx series	4,69	0,21	4,4	5	0							5		
(771) MINDRAY BC 6xxx series	4,78	0,13	2,6	9	0							9		
(772) Sysmex XN series	4,74	0,11	2,3	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	4,56	0,18	4,0	14	0							14		
Other				8	0							8		
						1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763								
(160) Neutrophiles [10(exp9)/L]				176								173	170	98%
Samples and groups														
Sample A	3,18	0,19	6,0	176								173	172	99%
(737) Siemens Advia 120, 2120, 2120i	3,59	0,32	8,8	14	0	CVP	3,18	0,034	30%	2,22	4,14	14		
(749) Sysmex XE, XS, XT series	3,19	0,11	3,4	26	0	CVP	3,18	0,034	30%	2,22	4,14	26		
(765) Abbott CELL-DYN Ruby	2,59	0,28	11	10	0	CVP	3,18	0,034	30%	2,22	4,14	10		
(768) MINDRAY BC 5xxx series	3,06	0,56	18	5	0	CVP	3,18	0,034	30%	2,22	4,14	5		
(771) MINDRAY BC 6xxx series	3,48	0,21	6,0	9	0	CVP	3,18	0,034	30%	2,22	4,14	9		
(772) Sysmex XN series	3,17	0,10	3,2	90	0	CVP	3,18	0,034	30%	2,22	4,14	90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	3,10	0,11	3,4	14	0	CVP	3,18	0,034	30%	2,22	4,14	14		
Other				8	0							5		
						1x 702, 2x 703, 1x 716, 1x 763, 1x 157/743, 2x 157/744								
Sample B	2,96	0,13	4,4	176		CVP	2,96	0,024	25%	2,22	3,7	176	174	99%
(737) Siemens Advia 120, 2120, 2120i	2,92	0,17	5,7	14	0							14		
(749) Sysmex XE, XS, XT series	2,97	0,13	4,3	26	0							26		
(765) Abbott CELL-DYN Ruby	2,41	0,098	4,1	10	0							10		
(768) MINDRAY BC 5xxx series	2,93	0,13	4,6	5	0							5		
(771) MINDRAY BC 6xxx series	3,16	0,13	4,2	9	0							9		
(772) Sysmex XN series	2,99	0,081	2,7	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	2,92	0,14	4,8	14	0							14		
Other				8	0							8		
						1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763								
(161) Lymphocytes [10(exp9)/L]				176								176	164	93%
Samples and groups														
Sample A	14,0	0,79	5,7	176		CVP	14	0,15	asym.	4,9	17,5	176	176	100%
(737) Siemens Advia 120, 2120, 2120i	10,6	2,0	19	14	0							14		
(749) Sysmex XE, XS, XT series	14,4	0,60	4,2	26	0							26		
(765) Abbott CELL-DYN Ruby	11,9	3,5	30	10	0							10		
(768) MINDRAY BC 5xxx series	13,5	0,33	2,5	5	0							5		
(771) MINDRAY BC 6xxx series	14,0	0,62	4,4	9	0							9		
(772) Sysmex XN series	14,3	0,43	3,0	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	13,6	0,33	2,4	14	0							14		
Other				8	0							8		
						1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763								
Sample B	1,11	0,078	7,0	176		CVP	1,11	0,014	25%	0,832	1,39	176	164	93%
(737) Siemens Advia 120, 2120, 2120i	0,969	0,071	7,4	14	0							14		
(749) Sysmex XE, XS, XT series	1,15	0,06	5,3	26	0							26		
(765) Abbott CELL-DYN Ruby	1,54	0,16	11	10	0							10		
(768) MINDRAY BC 5xxx series	1,33	0,10	7,8	5	0							5		
(771) MINDRAY BC 6xxx series	1,06	0,045	4,2	9	0							9		
(772) Sysmex XN series	1,10	0,041	3,8	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	1,06	0,052	4,9	14	0							14		

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA3/19 - Differential Count - Automatic

Dead line: 06.09.2019

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 [r·10(exp9)/L]				176								176	164	93%
Samples and groups														
Sample B	1,11	0,078	7,0	176		CVP	1,11	0,014	25%	0,832	1,39	176	164	93%
Other				8	0	1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763						8		
(162) Monocytes [r·10(exp9)/L]				176								176	175	99%
Samples and groups														
Sample A	0,624	0,17	27	176		CVP	0,624	0,031	100%	0	1,25	176	176	100%
(737) Siemens Advia 120, 2120, 2120i	0,487	0,077	16	14	0							14		
(749) Sysmex XE, XS, XT series	0,649	0,11	17	26	0							26		
(765) Abbott CELL-DYN Ruby	0,357	0,074	21	10	0							10		
(768) MINDRAY BC 5xxx series	0,650	0,27	41	5	0							5		
(771) MINDRAY BC 6xxx series	0,415	0,082	20	9	0							9		
(772) Sysmex XN series	0,699	0,11	16	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,472	0,092	20	14	0							14		
Other				8	0	1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763						8		
Sample B	0,423	0,057	13	176		CVP	0,423	0,011	50%	0,211	0,635	176	175	99%
(737) Siemens Advia 120, 2120, 2120i	0,334	0,042	13	14	0							14		
(749) Sysmex XE, XS, XT series	0,435	0,054	12	26	0							26		
(765) Abbott CELL-DYN Ruby	0,440	0,067	15	10	0							10		
(768) MINDRAY BC 5xxx series	0,320	0,015	4,6	5	0							5		
(771) MINDRAY BC 6xxx series	0,335	0,037	11	9	0							9		
(772) Sysmex XN series	0,445	0,032	7,1	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,400	0,0000	20	14	0							14		
Other				8	0	1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763						8		
(163) Eosinophiles [r·10(exp9)/L]				176								173	168	97%
Samples and groups														
Sample A	0,493	0,044	8,9	176								173	171	99%
(737) Siemens Advia 120, 2120, 2120i	0,398	0,072	18	14	0	CVP	0,493	,0080	50%	0,246	0,74	14		
(749) Sysmex XE, XS, XT series	0,496	0,063	13	26	0	CVP	0,493	,0080	50%	0,246	0,74	26		
(765) Abbott CELL-DYN Ruby	0,450	0,047	10	10	0	CVP	0,493	,0080	50%	0,246	0,74	10		
(768) MINDRAY BC 5xxx series	0,435	0,052	12	5	0	CVP	0,493	,0080	50%	0,246	0,74	5		
(771) MINDRAY BC 6xxx series	0,515	0,037	7,2	9	0	CVP	0,493	,0080	50%	0,246	0,74	9		
(772) Sysmex XN series	0,505	0,025	5,0	90	0	CVP	0,493	,0080	50%	0,246	0,74	90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,500	0,0000	16	14	0	CVP	0,493	,0080	50%	0,246	0,74	14		
Other				8	0	1x 702, 2x 703, 1x 716, 1x 763, 1x 157/743, 2x 157/744						5		
Sample B	0,151	0,027	18	176		CVP	0,151	,0049	50%	0,075	0,227	176	171	97%
(737) Siemens Advia 120, 2120, 2120i	0,124	0,021	17	14	0							14		
(749) Sysmex XE, XS, XT series	0,151	0,018	12	26	0							26		
(765) Abbott CELL-DYN Ruby	0,122	0,015	12	10	0							10		
(768) MINDRAY BC 5xxx series	0,205	0,052	25	5	0							5		
(771) MINDRAY BC 6xxx series	0,170	0,015	8,7	9	0							9		
(772) Sysmex XN series	0,159	0,017	11	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,115	0,025	22	14	0							14		
Other				8	0	1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763						8		
(164) Basophiles [r·10(exp9)/L]				176								176	173	98%
Samples and groups														
Sample A	0,092	0,045	49	176		CVP	0,092	,0082	asym.	0	0,552	176	175	99%
(737) Siemens Advia 120, 2120, 2120i	0,120	0,029	24	14	0							14		
(749) Sysmex XE, XS, XT series	0,047	0,014	30	26	0							26		
(765) Abbott CELL-DYN Ruby	0,297	0,094	32	10	0							10		
(768) MINDRAY BC 5xxx series	0,030	0,015	49	5	0							5		
(771) MINDRAY BC 6xxx series	0,065	0,022	34	9	0							9		
(772) Sysmex XN series	0,085	0,015	18	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,167	0,075	45	14	0							14		
Other				8	0	1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763						8		
Sample B	0,045	0,018	41	176		CVP	0,045	,0034	asym.	0	0,141	176	173	98%
(737) Siemens Advia 120, 2120, 2120i	0,049	0,011	22	14	0							14		
(749) Sysmex XE, XS, XT series	0,030	0,008	28	26	0							26		
(765) Abbott CELL-DYN Ruby	0,109	0,034	31	10	0							10		
(768) MINDRAY BC 5xxx series	0,015	0,007	49	5	0							5		
(771) MINDRAY BC 6xxx series	0,040	0,000	00	9	0							9		
(772) Sysmex XN series	0,048	0,012	24	90	0							90		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series	0,031	0,049	160	14	0							14		
Other				8	0	1x 702, 2x 703, 1x 716, 1x 743, 2x 744, 1x 763						8		

End of report