

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA2/19 - Differential Count - Automatic

Dead line: 17.05.2019

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]	Comparability													
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(130) WBC					193							193	190	98%	
Samples and groups	[·10(exp9)/L]														
Sample A		6,37	0,19	3,0	193	CVP	6,37	0,034	15%	5,41	7,33	193	193	100%	
(737) Siemens ADVIA 120, 2120, 2120i		6,03	0,30	4,9	17	0						17			
(743) Nihon Kohden Celltac E, F		6,25	0,22	3,6	7	0						7			
(749) Sysmex XE, XS, XT series		6,45	0,16	2,5	27	0						27			
(765) Abbott CELL-DYN Ruby		6,32	0,25	3,9	20	0						20			
(768) MINDRAY BC 5xxx series		6,42	0,22	3,4	5	0						5			
(772) Sysmex XN series		6,42	0,13	2,0	95	0						95			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		6,21	0,28	4,5	14	0						14			
Other					8	0						8			
							2x 716, 2x 744, 3x 771, 1x 999								
Sample B		4,47	0,16	3,6	193	CVP	4,47	0,029	15%	3,79	5,15	193	190	98%	
(737) Siemens ADVIA 120, 2120, 2120i		4,11	0,26	6,3	17	0						17			
(743) Nihon Kohden Celltac E, F		4,55	0,074	1,6	7	0						7			
(749) Sysmex XE, XS, XT series		4,54	0,19	4,2	27	0						27			
(765) Abbott CELL-DYN Ruby		4,44	0,22	5,0	20	0						20			
(768) MINDRAY BC 5xxx series		4,59	0,074	1,6	5	0						5			
(772) Sysmex XN series		4,50	0,11	2,5	95	0						95			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		4,37	0,23	5,3	14	0						14			
Other					8	0						8			
							2x 716, 2x 744, 3x 771, 1x 999								
(160) Neutrophiles					193							193	191	99%	
Samples and groups	[·10(exp9)/L]														
Sample A		3,31	0,13	4,0	193	CVP	3,31	0,023	25%	2,48	4,14	193	191	99%	
(737) Siemens ADVIA 120, 2120, 2120i		3,24	0,18	5,6	17	0						17			
(743) Nihon Kohden Celltac E, F		2,75	0,22	8,1	7	0						7			
(749) Sysmex XE, XS, XT series		3,36	0,12	3,6	27	0						27			
(765) Abbott CELL-DYN Ruby		3,22	0,13	4,1	20	0						20			
(768) MINDRAY BC 5xxx series		3,39	0,12	3,5	5	0						5			
(772) Sysmex XN series		3,35	0,087	2,6	95	0						95			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,28	0,18	5,6	14	0						14			
Other					8	0						8			
							2x 716, 2x 744, 3x 771, 1x 999								
Sample B		3,18	0,15	4,8	193	CVP	3,18	0,027	25%	2,38	3,98	193	192	99%	
(737) Siemens ADVIA 120, 2120, 2120i		2,93	0,22	7,5	17	0						17			
(743) Nihon Kohden Celltac E, F		3,05	0,22	7,3	7	0						7			
(749) Sysmex XE, XS, XT series		3,18	0,15	4,7	27	0						27			
(765) Abbott CELL-DYN Ruby		3,19	0,16	4,9	20	0						20			
(768) MINDRAY BC 5xxx series		3,20	0,045	1,4	5	0						5			
(772) Sysmex XN series		3,21	0,10	3,2	95	0						95			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		3,25	0,18	5,6	14	0						14			
Other					8	0						8			
							2x 716, 2x 744, 3x 771, 1x 999								
(161) Lymphocytes					193							193	190	98%	
Samples and groups	[·10(exp9)/L]														
Sample A		2,34	0,12	4,9	193	CVP	2,34	0,020	25%	1,75	2,93	193	192	99%	
(737) Siemens ADVIA 120, 2120, 2120i		2,09	0,12	5,6	17	0						17			
(743) Nihon Kohden Celltac E, F		2,63	0,19	7,1	7	0						7			
(749) Sysmex XE, XS, XT series		2,40	0,11	4,5	27	0						27			
(765) Abbott CELL-DYN Ruby		2,39	0,12	5,2	20	0						20			
(768) MINDRAY BC 5xxx series		2,44	0,096	4,0	5	0						5			
(772) Sysmex XN series		2,35	0,064	2,7	95	0						95			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		2,20	0,10	4,7	14	0						14			
Other					8	0						8			
							2x 716, 2x 744, 3x 771, 1x 999								
Sample B		0,871	0,065	7,5	193	CVP	0,871	0,014	25%	0,653	1,09	193	191	99%	
(737) Siemens ADVIA 120, 2120, 2120i		0,835	0,022	2,7	17	12						17			
(743) Nihon Kohden Celltac E, F		0,850	0,074	8,7	7	3						7			
(749) Sysmex XE, XS, XT series		0,914	0,061	6,7	27	3						27			
(765) Abbott CELL-DYN Ruby		0,860	0,038	4,5	20	6						20			
(768) MINDRAY BC 5xxx series		0,970	0,045	4,6	5	0						5			
(772) Sysmex XN series		0,862	0,058	6,8	95	23						95			
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,800	0,000	0,00	14	6						14			

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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					193							193	190	98%	
Samples and groups	f.10(exp9)/L														
Sample B		0,871	0,065	7,5	193		CVP	0,871	0,014	25%	0,653	1,09	193	191	99%
Other					8	4							8		
								2x 716, 2x 744, 3x 771, 1x 999							
(162) Monocytes					193							193	186	96%	
Samples and groups	f.10(exp9)/L														
Sample A		0,571	0,072	13	193		CVP	0,571	0,013	50%	0,285	0,857	193	192	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,394	0,022	5,5	17	0							17		
(743) Nihon Kohden Celltac E, F		0,700	0,15	21	7	0							7		
(749) Sysmex XE, XS, XT series		0,584	0,062	11	27	0							27		
(765) Abbott CELL-DYN Ruby		0,552	0,056	10	20	0							20		
(768) MINDRAY BC 5xxx series		0,440	0,045	10	5	0							5		
(772) Sysmex XN series		0,602	0,041	6,8	95	0							95		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,544	0,059	11	14	0							14		
Other					8	0							8		
								2x 716, 2x 744, 3x 771, 1x 999							
Sample B		0,312	0,046	15	193		CVP	0,312	,0081	50%	0,156	0,468	193	186	96%
(737) Siemens ADVIA 120, 2120, 2120i		0,235	0,026	11	17	0							17		
(743) Nihon Kohden Celltac E, F		0,620	0,27	43	7	0							7		
(749) Sysmex XE, XS, XT series		0,342	0,035	10	27	0							27		
(765) Abbott CELL-DYN Ruby		0,316	0,036	11	20	0							20		
(768) MINDRAY BC 5xxx series		0,305	0,022	7,3	5	0							5		
(772) Sysmex XN series		0,316	0,038	12	95	0							95		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,292	0,018	6,1	14	0							14		
Other					8	0							8		
								2x 716, 2x 744, 3x 771, 1x 999							
(163) Eosinophiles					193							193	189	98%	
Samples and groups	f.10(exp9)/L														
Sample A		0,100	0,016	15	193		CVP	0,1	,0027	asym.	0	0,192	193	189	98%
(737) Siemens ADVIA 120, 2120, 2120i		0,108	0,023	21	17	0							17		
(743) Nihon Kohden Celltac E, F		0,105	0,007	7,0	7	0							7		
(749) Sysmex XE, XS, XT series		0,108	0,016	15	27	0							27		
(765) Abbott CELL-DYN Ruby		0,094	0,018	19	20	0							20		
(768) MINDRAY BC 5xxx series		0,150	0,03	20	5	0							5		
(772) Sysmex XN series		0,097	0,015	15	95	0							95		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,098	0,007	7,5	14	0							14		
Other					8	0							8		
								2x 716, 2x 744, 3x 771, 1x 999							
Sample B		0,049	0,014	28	193		CVP	0,049	,0024	asym.	0	0,135	193	193	100%
(737) Siemens ADVIA 120, 2120, 2120i		0,054	0,014	25	17	0							17		
(743) Nihon Kohden Celltac E, F		0,035	0,052	150	7	0							7		
(749) Sysmex XE, XS, XT series		0,052	0,011	21	27	0							27		
(765) Abbott CELL-DYN Ruby		0,045	0,011	25	20	0							20		
(768) MINDRAY BC 5xxx series		0,075	0,022	30	5	0							5		
(772) Sysmex XN series		0,048	0,011	23	95	0							95		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,042	0,044	100	14	0							14		
Other					8	0							8		
								2x 716, 2x 744, 3x 771, 1x 999							
(164) Basophiles					193							193	192	99%	
Samples and groups	f.10(exp9)/L														
Sample A		0,026	0,015	59	193		CVP	0,026	,0027	asym.	0	0,192	193	192	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,032	0,015	48	17	0							17		
(743) Nihon Kohden Celltac E, F		0,060	0,059	99	7	0							7		
(749) Sysmex XE, XS, XT series		0,014	0,006	51	27	0							27		
(765) Abbott CELL-DYN Ruby		0,079	0,022	27	20	0							20		
(768) MINDRAY BC 5xxx series		0,015	0,007	49	5	0							5		
(772) Sysmex XN series		0,022	0,004	22	95	0							95		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,050	0,046	92	14	0							14		
Other					8	0							8		
								2x 716, 2x 744, 3x 771, 1x 999							
Sample B		0,040	0,016	39	193		CVP	0,04	,0027	asym.	0	0,135	193	192	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,033	0,014	42	17	0							17		
(743) Nihon Kohden Celltac E, F		0,095	0,007	7,8	7	0							7		
(749) Sysmex XE, XS, XT series		0,045	0,019	41	27	0							27		
(765) Abbott CELL-DYN Ruby		0,074	0,012	16	20	0							20		
(768) MINDRAY BC 5xxx series		0,030	0,015	49	5	0							5		
(772) Sysmex XN series		0,037	0,009	24	95	0							95		
(773) Beckman Coulter DxH 600/800/900, HMX series, LH series		0,018	0,025	140	14	0							14		
Other					8	0							8		
								2x 716, 2x 744, 3x 771, 1x 999							

