

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA4/17 - Differential Count - Automatic

Dead line: 20.10.2017

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					AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
		RoM	SD	CV [%]	N _{tot}	N _{out}								
(130) WBC											221	220	100%	
Samples and groups	f·10(exp9)/L													
Sample A		5,53	0,20	3,7	221	CVP	5,53	0,033	15%	4,7	6,36	221	220	100%
(737) Siemens ADVIA 120, 2120, 2120i		5,36	0,26	4,8	19	0						19		
(743) Nihon Kohden Celltac E, F		5,39	0,16	3,0	11	0						11		
(749) Sysmex XE, XS, XT series		5,59	0,14	2,5	62	0						62		
(765) Abbott CELL-DYN Ruby		5,28	0,23	4,3	21	0						21		
(768) MINDRAY BC 5xxx series		5,41	0,28	5,3	10	0						10		
(772) Sysmex XN series		5,63	0,10	1,8	70	0						70		
(773) Beckman Coulter DxH 600, DxH 800		5,42	0,17	3,1	14	0						14		
Other					14	0						14		
							1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
Sample B		4,48	0,15	3,4	221	CVP	4,48	0,025	15%	3,8	5,16	221	220	100%
(737) Siemens ADVIA 120, 2120, 2120i		4,36	0,23	5,2	19	0						19		
(743) Nihon Kohden Celltac E, F		4,40	0,16	3,6	11	0						11		
(749) Sysmex XE, XS, XT series		4,52	0,11	2,5	62	0						62		
(765) Abbott CELL-DYN Ruby		4,34	0,22	5,1	21	0						21		
(768) MINDRAY BC 5xxx series		4,38	0,21	4,8	10	0						10		
(772) Sysmex XN series		4,54	0,096	2,1	70	0						70		
(773) Beckman Coulter DxH 600, DxH 800		4,41	0,13	3,0	14	0						14		
Other					14	0						14		
							1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
(160) Neutrophiles											222	219	99%	
Samples and groups	f·10(exp9)/L													
Sample A		3,49	0,17	4,8	222	CVP	3,49	0,028	25%	2,61	4,37	222	219	99%
(737) Siemens ADVIA 120, 2120, 2120i		3,48	0,19	5,5	19	0						19		
(743) Nihon Kohden Celltac E, F		3,06	0,31	10	11	0						11		
(749) Sysmex XE, XS, XT series		3,54	0,091	2,6	62	1						62		
(765) Abbott CELL-DYN Ruby		3,12	0,23	7,3	22	0						22		
(768) MINDRAY BC 5xxx series		3,21	0,30	9,4	10	0						10		
(772) Sysmex XN series		3,57	0,086	2,4	70	0						70		
(773) Beckman Coulter DxH 600, DxH 800		3,50	0,15	4,4	14	0						14		
Other					14	0						14		
							1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
Sample B		2,62	0,12	4,4	222	CVP	2,62	0,019	25%	1,96	3,28	222	219	99%
(737) Siemens ADVIA 120, 2120, 2120i		2,66	0,16	6,0	19	0						19		
(743) Nihon Kohden Celltac E, F		2,41	0,27	11	11	0						11		
(749) Sysmex XE, XS, XT series		2,64	0,069	2,6	62	1						62		
(765) Abbott CELL-DYN Ruby		2,45	0,19	7,7	22	0						22		
(768) MINDRAY BC 5xxx series		2,49	0,25	10	10	0						10		
(772) Sysmex XN series		2,65	0,071	2,7	70	0						70		
(773) Beckman Coulter DxH 600, DxH 800		2,64	0,12	4,4	14	0						14		
Other					14	0						14		
							1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
(161) Lymphocytes											222	210	95%	
Samples and groups	f·10(exp9)/L													
Sample A		1,39	0,093	6,7	222	CVP	1,39	0,015	25%	1,04	1,74	222	210	95%
(737) Siemens ADVIA 120, 2120, 2120i		1,21	0,11	9,0	19	0						19		
(743) Nihon Kohden Celltac E, F		1,61	0,22	13	11	0						11		
(749) Sysmex XE, XS, XT series		1,37	0,069	5,0	62	1						62		
(765) Abbott CELL-DYN Ruby		1,52	0,12	7,6	22	0						22		
(768) MINDRAY BC 5xxx series		1,53	0,16	11	10	0						10		
(772) Sysmex XN series		1,40	0,04	2,9	70	0						70		
(773) Beckman Coulter DxH 600, DxH 800		1,28	0,097	7,6	14	0						14		
Other					14	0						14		
							1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
Sample B		1,43	0,072	5,0	222	CVP	1,43	0,012	25%	1,07	1,79	222	219	99%
(737) Siemens ADVIA 120, 2120, 2120i		1,29	0,10	7,9	19	0						19		
(743) Nihon Kohden Celltac E, F		1,44	0,19	13	11	0						11		
(749) Sysmex XE, XS, XT series		1,45	0,05	3,5	62	1						62		
(765) Abbott CELL-DYN Ruby		1,44	0,095	6,6	22	0						22		
(768) MINDRAY BC 5xxx series		1,48	0,089	6,0	10	0						10		
(772) Sysmex XN series		1,45	0,043	3,0	70	0						70		
(773) Beckman Coulter DxH 600, DxH 800		1,36	0,062	4,5	14	0						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					222							222	210	95%	
Samples and groups	f.10(exp9)/L]														
Sample B		1,43	0,072	5,0	222		CVP	1,43	0,012	25%	1,07	1,79	222	219	99%
Other					14	0							14		
								1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
(162) Monocytes					222							222	216	97%	
Samples and groups	f.10(exp9)/L]														
Sample A		0,445	0,06	14	222		CVP	0,445	,0099	50%	0,222	0,668	222	219	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,360	0,045	12	19	0							19		
(743) Nihon Kohden Celltac E, F		0,516	0,13	25	11	0							11		
(749) Sysmex XE, XS, XT series		0,483	0,042	8,6	62	0							62		
(765) Abbott CELL-DYN Ruby		0,406	0,034	8,3	22	0							22		
(768) MINDRAY BC 5xxx series		0,370	0,091	25	10	0							10		
(772) Sysmex XN series		0,459	0,027	5,9	70	0							70		
(773) Beckman Coulter DxH 600, DxH 800		0,407	0,009	2,3	14	0							14		
Other					14	0							14		
								1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
Sample B		0,305	0,045	15	222		CVP	0,305	,0075	50%	0,152	0,458	222	217	98%
(737) Siemens ADVIA 120, 2120, 2120i		0,229	0,024	10	19	0							19		
(743) Nihon Kohden Celltac E, F		0,416	0,19	46	11	0							11		
(749) Sysmex XE, XS, XT series		0,319	0,029	9,2	62	0							62		
(765) Abbott CELL-DYN Ruby		0,283	0,032	11	22	0							22		
(768) MINDRAY BC 5xxx series		0,240	0,036	15	10	0							10		
(772) Sysmex XN series		0,327	0,02	6,0	70	0							70		
(773) Beckman Coulter DxH 600, DxH 800		0,290	0,02	6,8	14	0							14		
Other					14	0							14		
								1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
(163) Eosinophiles					222							222	203	91%	
Samples and groups	f.10(exp9)/L]														
Sample A		0,176	0,027	15	222		CVP	0,176	,0044	50%	0,088	0,264	222	208	94%
(737) Siemens ADVIA 120, 2120, 2120i		0,189	0,024	12	19	0							19		
(743) Nihon Kohden Celltac E, F		0,128	0,054	43	11	0							11		
(749) Sysmex XE, XS, XT series		0,173	0,025	14	62	0							62		
(765) Abbott CELL-DYN Ruby		0,165	0,023	14	22	0							22		
(768) MINDRAY BC 5xxx series		0,303	0,096	32	10	0							10		
(772) Sysmex XN series		0,176	0,017	9,7	70	0							70		
(773) Beckman Coulter DxH 600, DxH 800		0,174	0,028	16	14	0							14		
Other					14	0							14		
								1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
Sample B		0,098	0,013	14	222		CVP	0,098	,0022	asym.	0	0,147	222	212	95%
(737) Siemens ADVIA 120, 2120, 2120i		0,097	0,014	14	19	0							19		
(743) Nihon Kohden Celltac E, F		0,099	0,005	5,8	11	0							11		
(749) Sysmex XE, XS, XT series		0,097	0,014	14	62	0							62		
(765) Abbott CELL-DYN Ruby		0,096	0,016	17	22	0							22		
(768) MINDRAY BC 5xxx series		0,175	0,072	41	10	0							10		
(772) Sysmex XN series		0,096	0,012	12	70	0							70		
(773) Beckman Coulter DxH 600, DxH 800		0,100	0,002	2,4	14	0							14		
Other					14	0							14		
								1x 703, 1x 707, 1x 716, 4x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
(164) Basophiles					222							222	222	100%	
Samples and groups	f.10(exp9)/L]														
Sample A		0,030	0,016	55	222		CVP	0,03	,0027	asym.	0	0,166	222	222	100%
(737) Siemens ADVIA 120, 2120, 2120i		0,037	0,014	38	19	0							19		
(743) Nihon Kohden Celltac E, F		0,042	0,051	120	11	0							11		
(749) Sysmex XE, XS, XT series		0,021	0,007	36	62	0							62		
(765) Abbott CELL-DYN Ruby		0,061	0,017	27	22	0							22		
(768) MINDRAY BC 5xxx series		0,020	0,009	47	10	0							10		
(772) Sysmex XN series		0,030	0,006	20	70	0							70		
(773) Beckman Coulter DxH 600, DxH 800		0,042	0,045	110	15	0							15		
Other					13	0							13		
								1x 703, 1x 707, 1x 716, 3x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							
Sample B		0,013	0,01	77	222		CVP	0,013	,0017	asym.	0	0,134	222	222	100%
(737) Siemens ADVIA 120, 2120, 2120i		0,017	0,011	65	19	0							19		
(743) Nihon Kohden Celltac E, F		0,019	0,031	160	11	0							11		
(749) Sysmex XE, XS, XT series		0,010	0,000	0,00	62	0							62		
(765) Abbott CELL-DYN Ruby		0,064	0,015	24	22	0							22		
(768) MINDRAY BC 5xxx series		0,008	0,008	110	10	0							10		
(772) Sysmex XN series		0,012	0,004	34	70	0							70		
(773) Beckman Coulter DxH 600, DxH 800		0,011	0,014	130	15	0							15		
Other					13	0							13		
								1x 703, 1x 707, 1x 716, 3x 719, 1x 729, 1x 744, 1x 763, 3x 771, 1x 999							

