

Summary statistics - quantitative results

(Groups: system)

Filter: minimal size of groups n = 5

EQA round: DA2/18 - Differential Count - Automatic

Dead line: 18.05.2018

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					188							188	188	100%
Samples and groups	f·10(exp9)/L													
Sample A		5,48	0,19	3,5	188	CVP	5,48	0,034	15%	4,65	6,31	188	188	100%
(737) Siemens ADVIA 120, 2120, 2120i		5,26	0,15	2,9	17	0						17		
(743) Nihon Kohden Celltac E, F		5,30	0,000	0,00	6	0						6		
(749) Sysmex XE, XS, XT series		5,58	0,17	3,1	33	0						33		
(765) Abbott CELL-DYN Ruby		5,33	0,097	1,8	15	0						15		
(768) MINDRAY BC 5xxx series		5,51	0,24	4,3	11	0						11		
(772) Sysmex XN series		5,52	0,15	2,7	84	0						84		
(773) Beckman Coulter DxH 600, DxH 800		5,45	0,12	2,2	13	0						13		
Other					9	0						9		
							1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
Sample B		5,10	0,35	6,8	188	CVP	5,1	0,062	asym.	3,4	5,87	188	188	100%
(737) Siemens ADVIA 120, 2120, 2120i		4,70	0,51	11	17	0						17		
(743) Nihon Kohden Celltac E, F		5,00	0,15	3,0	6	0						6		
(749) Sysmex XE, XS, XT series		5,13	0,39	7,6	33	0						33		
(765) Abbott CELL-DYN Ruby		5,15	0,21	4,1	15	0						15		
(768) MINDRAY BC 5xxx series		4,89	0,61	12	11	0						11		
(772) Sysmex XN series		5,13	0,34	6,6	84	0						84		
(773) Beckman Coulter DxH 600, DxH 800		5,19	0,24	4,6	13	0						13		
Other					9	0						9		
							1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
(160) Neutrophiles					188							188	187	99%
Samples and groups	f·10(exp9)/L													
Sample A		2,91	0,14	4,7	188	CVP	2,91	0,025	25%	2,18	3,64	188	188	100%
(737) Siemens ADVIA 120, 2120, 2120i		2,88	0,11	3,7	17	0						17		
(743) Nihon Kohden Celltac E, F		2,70	0,15	5,5	6	0						6		
(749) Sysmex XE, XS, XT series		2,96	0,11	3,8	34	0						34		
(765) Abbott CELL-DYN Ruby		2,49	0,059	2,4	15	0						15		
(768) MINDRAY BC 5xxx series		2,91	0,19	6,4	11	0						11		
(772) Sysmex XN series		2,95	0,10	3,5	83	0						83		
(773) Beckman Coulter DxH 600, DxH 800		2,94	0,064	2,2	13	0						13		
Other					9	0						9		
							1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
Sample B		2,73	0,19	6,9	188	CVP	2,73	0,034	asym.	2	3,42	188	187	99%
(737) Siemens ADVIA 120, 2120, 2120i		2,64	0,22	8,3	17	0						17		
(743) Nihon Kohden Celltac E, F		2,59	0,022	0,86	6	0						6		
(749) Sysmex XE, XS, XT series		2,76	0,19	6,7	34	0						34		
(765) Abbott CELL-DYN Ruby		2,66	0,11	4,0	15	0						15		
(768) MINDRAY BC 5xxx series		2,60	0,28	11	11	0						11		
(772) Sysmex XN series		2,75	0,17	6,1	83	0						83		
(773) Beckman Coulter DxH 600, DxH 800		2,81	0,19	6,7	13	0						13		
Other					9	0						9		
							1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
(161) Lymphocytes					188							188	188	100%
Samples and groups	f·10(exp9)/L													
Sample A		1,74	0,12	6,7	188	CVP	1,74	0,021	25%	1,3	2,18	188	188	100%
(737) Siemens ADVIA 120, 2120, 2120i		1,59	0,09	5,7	17	0						17		
(743) Nihon Kohden Celltac E, F		1,62	0,17	11	6	0						6		
(749) Sysmex XE, XS, XT series		1,77	0,083	4,7	34	0						34		
(765) Abbott CELL-DYN Ruby		1,99	0,11	5,5	15	0						15		
(768) MINDRAY BC 5xxx series		1,87	0,11	6,0	11	0						11		
(772) Sysmex XN series		1,72	0,067	3,9	83	0						83		
(773) Beckman Coulter DxH 600, DxH 800		1,69	0,096	5,7	13	0						13		
Other					9	0						9		
							1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
Sample B		1,79	0,17	9,7	188	CVP	1,79	0,031	asym.	0,95	2,24	188	188	100%
(737) Siemens ADVIA 120, 2120, 2120i		1,56	0,24	15	17	0						17		
(743) Nihon Kohden Celltac E, F		1,77	0,096	5,5	6	0						6		
(749) Sysmex XE, XS, XT series		1,80	0,19	11	34	0						34		
(765) Abbott CELL-DYN Ruby		1,93	0,11	5,9	15	0						15		
(768) MINDRAY BC 5xxx series		1,78	0,23	13	11	0						11		
(772) Sysmex XN series		1,79	0,16	8,7	83	0						83		
(773) Beckman Coulter DxH 600, DxH 800		1,82	0,067	3,7	13	0						13		

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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					188							188	188	100%	
Samples and groups	f.10(exp9)/L														
Sample B		1,79	0,17	9,7	188		CVP	1,79	0,031	asym.	0,95	2,24	188	188	100%
Other					9	0							9		
								1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
(162) Monocytes					188							188	186	99%	
Samples and groups	f.10(exp9)/L														
Sample A		0,510	0,066	13	188		CVP	0,51	0,012	50%	0,255	0,765	188	187	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,360	0,029	8,2	17	0							17		
(743) Nihon Kohden Celltac E, F		0,550	0,074	13	6	0							6		
(749) Sysmex XE, XS, XT series		0,540	0,061	11	34	0							34		
(765) Abbott CELL-DYN Ruby		0,488	0,056	12	15	0							15		
(768) MINDRAY BC 5xxx series		0,410	0,081	20	11	0							11		
(772) Sysmex XN series		0,534	0,033	6,2	83	0							83		
(773) Beckman Coulter DxH 600, DxH 800		0,510	0,018	3,6	13	0							13		
Other					9	0							9		
								1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
Sample B		0,379	0,071	19	188		CVP	0,379	0,013	50%	0,189	0,569	188	186	99%
(737) Siemens ADVIA 120, 2120, 2120i		0,291	0,052	18	17	0							17		
(743) Nihon Kohden Celltac E, F		0,450	0,074	16	6	0							6		
(749) Sysmex XE, XS, XT series		0,399	0,064	16	34	0							34		
(765) Abbott CELL-DYN Ruby		0,349	0,036	10	15	0							15		
(768) MINDRAY BC 5xxx series		0,312	0,074	24	11	0							11		
(772) Sysmex XN series		0,409	0,047	12	83	0							83		
(773) Beckman Coulter DxH 600, DxH 800		0,387	0,024	6,2	13	0							13		
Other					9	0							9		
								1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
(163) Eosinophiles					188							188	183	97%	
Samples and groups	f.10(exp9)/L														
Sample A		0,257	0,028	11	188		CVP	0,257	,0051	50%	0,128	0,386	188	184	98%
(737) Siemens ADVIA 120, 2120, 2120i		0,232	0,028	12	17	0							17		
(743) Nihon Kohden Celltac E, F		0,250	0,074	30	6	0							6		
(749) Sysmex XE, XS, XT series		0,258	0,022	8,4	34	0							34		
(765) Abbott CELL-DYN Ruby		0,253	0,021	8,3	15	0							15		
(768) MINDRAY BC 5xxx series		0,269	0,05	19	11	0							11		
(772) Sysmex XN series		0,258	0,02	7,7	83	0							83		
(773) Beckman Coulter DxH 600, DxH 800		0,269	0,036	13	13	0							13		
Other					9	0							9		
								1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
Sample B		0,144	0,023	16	188		CVP	0,144	,0041	50%	0,072	0,216	188	185	98%
(737) Siemens ADVIA 120, 2120, 2120i		0,130	0,017	13	17	0							17		
(743) Nihon Kohden Celltac E, F		0,150	0,074	49	6	0							6		
(749) Sysmex XE, XS, XT series		0,148	0,022	15	34	0							34		
(765) Abbott CELL-DYN Ruby		0,145	0,017	12	15	0							15		
(768) MINDRAY BC 5xxx series		0,178	0,029	16	11	0							11		
(772) Sysmex XN series		0,140	0,018	13	83	0							83		
(773) Beckman Coulter DxH 600, DxH 800		0,151	0,041	27	13	0							13		
Other					9	0							9		
								1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
(164) Basophiles					188							188	188	100%	
Samples and groups	f.10(exp9)/L														
Sample A		0,058	0,025	43	188		CVP	0,058	,0045	asym.	0	0,164	188	188	100%
(737) Siemens ADVIA 120, 2120, 2120i		0,059	0,018	30	17	0							17		
(743) Nihon Kohden Celltac E, F		0,050	0,074	150	6	0							6		
(749) Sysmex XE, XS, XT series		0,043	0,015	35	34	0							34		
(765) Abbott CELL-DYN Ruby		0,110	0,029	26	15	0							15		
(768) MINDRAY BC 5xxx series		0,030	0,012	41	11	0							11		
(772) Sysmex XN series		0,060	0,016	26	83	0							83		
(773) Beckman Coulter DxH 600, DxH 800		0,050	0,041	83	13	0							13		
Other					9	0							9		
								1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							
Sample B		0,024	0,014	58	188		CVP	0,024	,0025	asym.	0	0,153	188	188	100%
(737) Siemens ADVIA 120, 2120, 2120i		0,028	0,012	44	17	0							17		
(743) Nihon Kohden Celltac E, F		0,000	0,00		6	0							6		
(749) Sysmex XE, XS, XT series		0,014	0,006	43	34	0							34		
(765) Abbott CELL-DYN Ruby		0,063	0,015	23	15	0							15		
(768) MINDRAY BC 5xxx series		0,014	0,008	62	11	0							11		
(772) Sysmex XN series		0,025	0,007	28	83	0							83		
(773) Beckman Coulter DxH 600, DxH 800		0,034	0,033	95	13	0							13		
Other					9	0							9		
								1x 703, 1x 707, 1x 716, 1x 719, 1x 729, 1x 744, 1x 763, 2x 771							

