

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of groups n = 5

EQA round: DA1/18 - Differential Count - Automatic

Dead line: 16.03.2018

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					194							194	194	100%
Samples and groups	f.10(exp9)/L													
Sample A		6,15	0,21	3,4	194	CVP	6,15	0,036	15%	5,22	7,08	194	194	100%
(1) Abbott		5,96	0,25	4,1	20	0						20		
(12) Beckman Coulter		6,10	0,21	3,4	18	0						18		
(63) Sysmex		6,21	0,15	2,4	116	0						116		
(157) Nihon Kohden		6,15	0,22	3,6	9	0						9		
(177) MINDRAY		6,21	0,48	7,8	8	0						8		
(179) Siemens (Bayer)		5,97	0,27	4,5	21	0						21		
Other					2	0						2		
						2x 204								
Sample B		3,34	0,11	3,2	194	CVP	3,34	0,019	18%	2,73	3,95	194	194	100%
(1) Abbott		3,30	0,16	4,8	20	0						20		
(12) Beckman Coulter		3,35	0,11	3,2	18	0						18		
(63) Sysmex		3,36	0,081	2,4	116	0						116		
(157) Nihon Kohden		3,35	0,074	2,2	9	0						9		
(177) MINDRAY		3,40	0,22	6,5	8	0						8		
(179) Siemens (Bayer)		3,24	0,16	5,0	21	0						21		
Other					2	0						2		
						2x 204								
(160) Neutrophiles					195							195	190	97%
Samples and groups	f.10(exp9)/L													
Sample A		3,99	0,16	4,0	195	CVP	3,99	0,028	25%	2,99	4,99	195	190	97%
(1) Abbott		3,82	0,17	4,4	21	0						21		
(12) Beckman Coulter		4,04	0,15	3,8	18	0						18		
(63) Sysmex		4,01	0,11	2,7	116	1						116		
(157) Nihon Kohden		3,65	0,50	14	9	1						9		
(177) MINDRAY		4,03	0,60	15	8	0						8		
(179) Siemens (Bayer)		4,03	0,27	6,6	21	1						21		
Other					2	0						2		
						2x 204								
Sample B		1,93	0,084	4,3	195	CVP	1,93	0,015	25%	1,44	2,42	195	191	98%
(1) Abbott		1,85	0,12	6,3	21	0						21		
(12) Beckman Coulter		1,95	0,069	3,6	18	0						18		
(63) Sysmex		1,95	0,059	3,0	116	1						116		
(157) Nihon Kohden		1,68	0,26	15	9	1						9		
(177) MINDRAY		1,94	0,26	13	8	0						8		
(179) Siemens (Bayer)		1,95	0,14	7,3	21	1						21		
Other					2	0						2		
						2x 204								
(161) Lymphocytes					195							195	189	97%
Samples and groups	f.10(exp9)/L													
Sample A		1,34	0,093	7,0	195	CVP	1,34	0,017	25%	1	1,68	195	189	97%
(1) Abbott		1,27	0,11	8,3	21	0						21		
(12) Beckman Coulter		1,28	0,084	6,5	18	0						18		
(63) Sysmex		1,37	0,055	4,1	116	1						116		
(157) Nihon Kohden		1,43	0,25	18	9	1						9		
(177) MINDRAY		1,46	0,11	7,6	8	0						8		
(179) Siemens (Bayer)		1,19	0,088	7,4	21	1						21		
Other					2	0						2		
						2x 204								
Sample B		1,07	0,055	5,1	195	CVP	1,07	0,0097	25%	0,802	1,34	195	189	97%
(1) Abbott		1,08	0,061	5,6	21	0						21		
(12) Beckman Coulter		1,08	0,036	3,4	18	0						18		
(63) Sysmex		1,08	0,041	3,8	116	2						116		
(157) Nihon Kohden		1,14	0,23	20	9	1						9		
(177) MINDRAY		1,13	0,059	5,2	8	0						8		
(179) Siemens (Bayer)		0,985	0,046	4,6	21	1						21		
Other					2	0						2		
						2x 204								
(162) Monocytes					195							195	183	94%
Samples and groups	f.10(exp9)/L													
Sample A		0,655	0,072	11	195	CVP	0,655	0,013	50%	0,327	0,983	195	186	95%
(1) Abbott		0,640	0,051	8,0	21	0						21		
(12) Beckman Coulter		0,645	0,059	9,2	18	0						18		
(63) Sysmex		0,679	0,038	5,6	116	0						116		
(157) Nihon Kohden		0,750	0,22	30	9	0						9		

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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}	
(162) Monocytes					195							195	183	94%	
Samples and groups	f.10(exp9)/L]														
Sample A		0,655	0,072	11	195		CVP	0,655	0,013	50%	0,327	0,983	195	186	95%
(177) MINDRAY		0,525	0,067	13	8	0							8		
(179) Siemens (Bayer)		0,458	0,11	25	21	1							21		
Other					2	0							2		
							2x 204								
Sample B		0,286	0,034	12	195		CVP	0,286	,0059	50%	0,143	0,429	195	184	94%
(1) Abbott		0,286	0,021	7,3	21	0							21		
(12) Beckman Coulter		0,292	0,013	4,3	18	0							18		
(63) Sysmex		0,294	0,022	7,4	116	0							116		
(157) Nihon Kohden		0,400	0,15	37	9	0							9		
(177) MINDRAY		0,205	0,052	25	8	0							8		
(179) Siemens (Bayer)		0,188	0,047	25	21	0							21		
Other					2	0							2		
							2x 204								
(163) Eosinophiles					195								195	188	96%
Samples and groups	f.10(exp9)/L]														
Sample A		0,113	0,017	15	195		CVP	0,113	,0029	asym.	0	0,185	195	188	96%
(1) Abbott		0,115	0,015	13	21	0							21		
(12) Beckman Coulter		0,100	0,006	6,1	18	0							18		
(63) Sysmex		0,113	0,013	12	116	0							116		
(157) Nihon Kohden		0,097	0,005	5,4	9	0							9		
(177) MINDRAY		0,210	0,15	71	8	0							8		
(179) Siemens (Bayer)		0,129	0,035	27	21	0							21		
Other					2	0							2		
							2x 204								
Sample B		0,026	0,01	39	195		CVP	0,026	,0017	asym.	0	0,101	195	190	97%
(1) Abbott		0,026	0,004	19	21	0							21		
(12) Beckman Coulter		0,011	0,017	150	18	0							18		
(63) Sysmex		0,025	0,006	25	116	0							116		
(157) Nihon Kohden		0,011	0,016	150	9	0							9		
(177) MINDRAY		0,075	0,067	89	8	0							8		
(179) Siemens (Bayer)		0,042	0,018	43	21	0							21		
Other					2	0							2		
							2x 204								
(164) Basophiles					195								195	188	96%
Samples and groups	f.10(exp9)/L]														
Sample A		0,048	0,023	47	195		CVP	0,048	,0040	asym.	0	0,185	195	189	97%
(1) Abbott		0,115	0,03	26	21	0							21		
(12) Beckman Coulter		0,030	0,039	130	18	0							18		
(63) Sysmex		0,043	0,012	28	116	0							116		
(157) Nihon Kohden		0,062	0,056	91	9	0							9		
(177) MINDRAY		0,030	0,015	49	8	0							8		
(179) Siemens (Bayer)		0,058	0,026	45	21	0							21		
Other					2	0							2		
							2x 204								
Sample B		0,021	0,014	65	195		CVP	0,021	,0024	asym.	0	0,101	195	190	97%
(1) Abbott		0,054	0,018	32	21	0							21		
(12) Beckman Coulter		0,009	0,013	150	18	0							18		
(63) Sysmex		0,019	0,008	41	116	0							116		
(157) Nihon Kohden		0,051	0,073	150	9	0							9		
(177) MINDRAY		0,010	0,000,00		8	0							8		
(179) Siemens (Bayer)		0,025	0,013	51	21	0							21		
Other					2	0							2		
							2x 204								

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End of report

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