

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of groups n = 5

EQA round: DA3/17 - Differential Count - Automatic

Dead line: 08.09.2017

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					Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(130) WBC					137						137	135	99%	
Samples and groups	f.10(exp9)/L													
Sample A		5,58	0,22	3,9	137	CVP	5,58	0,046	15%	4,74	6,42	137	136	99%
(1) Abbott		5,33	0,13	2,5	14	0						14		
(12) Beckman Coulter		5,61	0,14	2,4	18	0						18		
(63) Sysmex		5,67	0,16	2,8	71	0						71		
(157) Nihon Kohden		5,60	0,15	2,6	7	0						7		
(177) MINDRAY		5,51	0,26	4,7	8	0						8		
(179) Siemens (Bayer)		5,43	0,35	6,4	18	0						18		
Other					1	0						1		
														1x 204
Sample B		4,45	0,18	4,1	137	CVP	4,45	0,038	15%	3,78	5,12	137	135	99%
(1) Abbott		4,41	0,17	3,9	14	0						14		
(12) Beckman Coulter		4,42	0,12	2,6	18	0						18		
(63) Sysmex		4,52	0,15	3,2	71	0						71		
(157) Nihon Kohden		4,45	0,22	5,0	7	0						7		
(177) MINDRAY		4,38	0,16	3,7	8	0						8		
(179) Siemens (Bayer)		4,20	0,24	5,8	18	0						18		
Other					1	0						1		
														1x 204
(160) Neutrophiles					137							137	133	97%
Samples and groups	f.10(exp9)/L													
Sample A		3,48	0,18	5,2	137	CVP	3,48	0,038	25%	2,61	4,35	137	133	97%
(1) Abbott		3,06	0,20	6,4	14	0						14		
(12) Beckman Coulter		3,55	0,11	3,1	18	1						18		
(63) Sysmex		3,54	0,091	2,6	71	0						71		
(157) Nihon Kohden		3,45	0,23	6,6	7	0						7		
(177) MINDRAY		3,40	0,50	15	8	0						8		
(179) Siemens (Bayer)		3,42	0,23	6,7	18	0						18		
Other					1	0						1		
														1x 204
Sample B		2,56	0,13	4,9	137	CVP	2,56	0,026	25%	1,92	3,2	137	135	99%
(1) Abbott		2,44	0,096	4,0	14	0						14		
(12) Beckman Coulter		2,59	0,10	4,0	18	1						18		
(63) Sysmex		2,59	0,08	3,1	71	0						71		
(157) Nihon Kohden		2,62	0,17	6,5	7	0						7		
(177) MINDRAY		2,49	0,27	11	8	0						8		
(179) Siemens (Bayer)		2,49	0,21	8,4	18	0						18		
Other					1	0						1		
														1x 204
(161) Lymphocytes					137							137	132	96%
Samples and groups	f.10(exp9)/L													
Sample A		1,51	0,11	7,1	137	CVP	1,51	0,023	25%	1,13	1,89	137	132	96%
(1) Abbott		1,64	0,058	3,6	14	0						14		
(12) Beckman Coulter		1,48	0,047	3,2	18	1						18		
(63) Sysmex		1,50	0,078	5,2	71	0						71		
(157) Nihon Kohden		1,48	0,12	8,1	7	0						7		
(177) MINDRAY		1,57	0,14	9,0	8	0						8		
(179) Siemens (Bayer)		1,39	0,21	15	18	0						18		
Other					1	0						1		
														1x 204
Sample B		1,33	0,094	7,0	137	CVP	1,33	0,020	25%	0,997	1,67	137	135	99%
(1) Abbott		1,40	0,094	6,7	14	0						14		
(12) Beckman Coulter		1,29	0,078	6,0	18	1						18		
(63) Sysmex		1,35	0,064	4,8	71	0						71		
(157) Nihon Kohden		1,34	0,20	15	7	0						7		
(177) MINDRAY		1,36	0,14	10	8	0						8		
(179) Siemens (Bayer)		1,19	0,095	8,0	18	0						18		
Other					1	0						1		
														1x 204
(162) Monocytes					137							137	131	96%
Samples and groups	f.10(exp9)/L													
Sample A		0,366	0,062	17	137	CVP	0,366	0,013	50%	0,183	0,549	137	134	98%
(1) Abbott		0,335	0,04	12	14	0						14		
(12) Beckman Coulter		0,325	0,067	21	18	0						18		
(63) Sysmex		0,395	0,036	9,2	71	0						71		
(157) Nihon Kohden		0,450	0,074	16	7	0						7		

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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					137							137	131	96%	
Samples and groups	f.10(exp9)/L]														
Sample A		0,366	0,062	17	137		CVP	0,366	0,013	50%	0,183	0,549	137	134	98%
(177) MINDRAY		0,360	0,13	37	8	0							8		
(179) Siemens (Bayer)		0,302	0,038	13	18	0							18		
Other					1	0							1		
							1x 204								
Sample B		0,313	0,051	16	137		CVP	0,313	0,011	50%	0,156	0,47	137	132	96%
(1) Abbott		0,303	0,024	7,8	14	0							14		
(12) Beckman Coulter		0,300	0,009	3,2	18	0							18		
(63) Sysmex		0,335	0,026	7,7	71	0							71		
(157) Nihon Kohden		0,359	0,062	17	7	0							7		
(177) MINDRAY		0,330	0,15	45	8	0							8		
(179) Siemens (Bayer)		0,225	0,038	17	18	0							18		
Other					1	0							1		
							1x 204								
(163) Eosinophiles					137								137	133	97%
Samples and groups	f.10(exp9)/L]														
Sample A		0,208	0,017	8,1	137		CVP	0,208	,0035	50%	0,104	0,312	137	134	98%
(1) Abbott		0,209	0,012	5,6	14	0							14		
(12) Beckman Coulter		0,201	0,004	2,0	18	0							18		
(63) Sysmex		0,207	0,017	8,2	71	0							71		
(157) Nihon Kohden		0,221	0,031	14	7	0							7		
(177) MINDRAY		0,280	0,074	26	8	0							8		
(179) Siemens (Bayer)		0,199	0,021	11	18	0							18		
Other					1	0							1		
							1x 204								
Sample B		0,219	0,022	10	137		CVP	0,219	,0046	50%	0,109	0,329	137	135	99%
(1) Abbott		0,218	0,017	8,0	14	0							14		
(12) Beckman Coulter		0,204	0,011	5,2	18	0							18		
(63) Sysmex		0,224	0,018	8,2	71	0							71		
(157) Nihon Kohden		0,209	0,016	7,8	7	0							7		
(177) MINDRAY		0,230	0,03	13	8	0							8		
(179) Siemens (Bayer)		0,214	0,04	19	18	0							18		
Other					1	0							1		
							1x 204								
(164) Basophiles					137								137	137	100%
Samples and groups	f.10(exp9)/L]														
Sample A		0,031	0,02	64	137		CVP	0,031	,0042	asym.	0	0,167	137	137	100%
(1) Abbott		0,070	0,011	16	14	0							14		
(12) Beckman Coulter		0,044	0,047	110	18	0							18		
(63) Sysmex		0,024	0,01	41	71	0							71		
(157) Nihon Kohden		0,072	0,042	58	7	0							7		
(177) MINDRAY		0,015	0,007	49	8	0							8		
(179) Siemens (Bayer)		0,035	0,014	40	18	0							18		
Other					1	0							1		
							1x 204								
Sample B		0,025	0,015	62	137		CVP	0,025	,0032	asym.	0	0,134	137	137	100%
(1) Abbott		0,063	0,015	23	14	0							14		
(12) Beckman Coulter		0,019	0,025	140	18	0							18		
(63) Sysmex		0,022	0,007	36	71	0							71		
(157) Nihon Kohden		0,027	0,039	150	7	0							7		
(177) MINDRAY		0,015	0,007	49	8	0							8		
(179) Siemens (Bayer)		0,031	0,013	41	18	0							18		
Other					1	0							1		
							1x 204								

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End of report

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