

Summary statistics - quantitative results

(Groups: manufacturer of instrument)

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						N _{eva}	N _{suc}	S _{rel}				
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV				U _{AV}	D _{max}	LL	UL
(130) WBC					221				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%
(1) Abbott		5,30	0,23	4,4	23	0						23		
(12) Beckman Coulter		5,45	0,20	3,6	20	0						20		
(63) Sysmex		5,61	0,12	2,2	132	0						132		
(157) Nihon Kohden		5,40	0,16	2,9	12	0						12		
(177) MINDRAY		5,45	0,28	5,2	13	0						13		
(179) Siemens (Bayer)		5,39	0,29	5,5	20	0						20		
Other					1	0						1		
							1x 204							
Sample B		4,48	0,15	3,4	221	CVP	4,48	0,025	15%	3,8	5,16	221	220	100%
(1) Abbott		4,35	0,22	5,1	23	0						23		
(12) Beckman Coulter		4,43	0,15	3,4	20	0						20		
(63) Sysmex		4,53	0,10	2,3	132	0						132		
(157) Nihon Kohden		4,40	0,15	3,4	12	0						12		
(177) MINDRAY		4,41	0,20	4,6	13	0						13		
(179) Siemens (Bayer)		4,37	0,23	5,3	20	0						20		
Other					1	0						1		
							1x 204							
(160) Neutrophiles					222							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%
(1) Abbott		3,14	0,24	7,7	24	0						24		
(12) Beckman Coulter		3,52	0,15	4,3	20	0						20		
(63) Sysmex		3,55	0,09	2,5	132	1						132		
(157) Nihon Kohden		3,09	0,31	10	12	0						12		
(177) MINDRAY		3,31	0,36	11	13	0						13		
(179) Siemens (Bayer)		3,50	0,21	6,0	20	0						20		
Other					1	0						1		
							1x 204							
Sample B		2,62	0,12	4,4	222	CVP	2,62	0,019	25%	1,96	3,28	222	219	99%
(1) Abbott		2,46	0,18	7,3	24	0						24		
(12) Beckman Coulter		2,66	0,14	5,1	20	0						20		
(63) Sysmex		2,65	0,071	2,7	132	1						132		
(157) Nihon Kohden		2,43	0,26	11	12	0						12		
(177) MINDRAY		2,55	0,25	10	13	0						13		
(179) Siemens (Bayer)		2,67	0,17	6,3	20	0						20		
Other					1	0						1		
							1x 204							
(161) Lymphocytes					222							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%
(1) Abbott		1,51	0,12	8,1	24	0						24		
(12) Beckman Coulter		1,31	0,091	6,9	20	0						20		
(63) Sysmex		1,39	0,051	3,7	132	1						132		
(157) Nihon Kohden		1,59	0,21	13	12	0						12		
(177) MINDRAY		1,48	0,16	11	13	0						13		
(179) Siemens (Bayer)		1,23	0,12	10	20	0						20		
Other					1	0						1		
							1x 204							
Sample B		1,43	0,072	5,0	222	CVP	1,43	0,012	25%	1,07	1,79	222	219	99%
(1) Abbott		1,44	0,10	7,0	24	0						24		
(12) Beckman Coulter		1,39	0,08	5,7	20	0						20		
(63) Sysmex		1,45	0,046	3,2	132	1						132		
(157) Nihon Kohden		1,42	0,19	13	12	0						12		
(177) MINDRAY		1,46	0,094	6,5	13	0						13		
(179) Siemens (Bayer)		1,29	0,099	7,7	20	0						20		
Other					1	0						1		
							1x 204							
(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%
(1) Abbott		0,412	0,04	9,8	24	0						24		
(12) Beckman Coulter		0,410	0,015	3,7	20	0						20		
(63) Sysmex		0,469	0,035	7,5	132	0						132		
(157) Nihon Kohden		0,502	0,13	26	12	0						12		

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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					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%
(177) MINDRAY		0,364	0,07	19	13	0							13		
(179) Siemens (Bayer)		0,364	0,047	13	20	0							20		
Other					1	0							1		
							1x 204								
Sample B		0,305	0,045	15	222		CVP	0,305	,0075	50%	0,152	0,458	222	217	98%
(1) Abbott		0,287	0,035	12	24	0							24		
(12) Beckman Coulter		0,288	0,027	9,4	20	0							20		
(63) Sysmex		0,324	0,024	7,4	132	0							132		
(157) Nihon Kohden		0,396	0,17	42	12	0							12		
(177) MINDRAY		0,245	0,036	15	13	0							13		
(179) Siemens (Bayer)		0,232	0,026	11	20	0							20		
Other					1	0							1		
							1x 204								
(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%
(1) Abbott		0,166	0,021	13	24	0							24		
(12) Beckman Coulter		0,175	0,032	18	20	0							20		
(63) Sysmex		0,175	0,02	11	132	0							132		
(157) Nihon Kohden		0,136	0,061	45	12	0							12		
(177) MINDRAY		0,278	0,098	35	13	0							13		
(179) Siemens (Bayer)		0,187	0,025	14	20	0							20		
Other					1	0							1		
							1x 204								
Sample B		0,098	0,013	14	222		CVP	0,098	,0022	asym.	0	0,147	222	212	95%
(1) Abbott		0,095	0,016	16	24	0							24		
(12) Beckman Coulter		0,099	0,003	3,7	20	0							20		
(63) Sysmex		0,097	0,013	13	132	0							132		
(157) Nihon Kohden		0,100	0,006	6,7	12	0							12		
(177) MINDRAY		0,155	0,075	48	13	0							13		
(179) Siemens (Bayer)		0,095	0,016	16	20	0							20		
Other					1	0							1		
							1x 204								
(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%
(1) Abbott		0,061	0,017	28	24	0							24		
(12) Beckman Coulter		0,031	0,041	130	20	0							20		
(63) Sysmex		0,026	0,009	35	131	0							131		
(157) Nihon Kohden		0,042	0,049	120	12	0							12		
(177) MINDRAY		0,019	0,009	51	13	0							13		
(179) Siemens (Bayer)		0,038	0,015	40	20	0							20		
Other					2	0							2		
							1x 198, 1x 204								
Sample B		0,013	0,01	77	222		CVP	0,013	,0017	asym.	0	0,134	222	222	100%
(1) Abbott		0,062	0,016	25	24	0							24		
(12) Beckman Coulter		0,008	0,012	150	20	0							20		
(63) Sysmex		0,010	0,000,00	131	0	0							131		
(157) Nihon Kohden		0,018	0,028	150	12	0							12		
(177) MINDRAY		0,007	0,008	120	13	0							13		
(179) Siemens (Bayer)		0,017	0,011	62	20	0							20		
Other					2	0							2		
							1x 198, 1x 204								

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End of report

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