

## Summary statistics - quantitative results

(Groups: manufacturer of instrument)

Filter: minimal size of groups n = 5

## EQA round: DA4/18 - Differential Count - Automatic

Dead line: 19.10.2018

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 <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					Comparability							
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
<b>(130) WBC</b>					197							197	196	99%
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		3,54	0,13	3,7	197	CVP	3,54	0,023	18%	2,9	4,18	197	196	99%
(1) Abbott		3,47	0,14	3,9	18							18		
(12) Beckman Coulter		3,46	0,17	4,9	19							19		
(63) Sysmex		3,58	0,091	2,5	120							120		
(157) Nihon Kohden		3,50	0,15	4,2	8							8		
(177) MINDRAY		3,55	0,15	4,1	11							11		
(179) Siemens (Bayer)		3,39	0,22	6,6	19							19		
Other					2							2		
						2x 204								
<b>Sample B</b>		5,99	0,22	3,6	197	CVP	5,99	0,038	15%	5,09	6,89	197	197	100%
(1) Abbott		5,88	0,23	3,9	18							18		
(12) Beckman Coulter		5,84	0,29	5,0	19							19		
(63) Sysmex		6,07	0,13	2,2	120							120		
(157) Nihon Kohden		5,85	0,22	3,8	8							8		
(177) MINDRAY		6,05	0,34	5,6	11							11		
(179) Siemens (Bayer)		5,65	0,31	5,5	19							19		
Other					2							2		
						2x 204								
<b>(160) Neutrophiles</b>					198							198	197	99%
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		1,69	0,088	5,2	198	CVP	1,69	0,015	25%	1,26	2,12	198	198	100%
(1) Abbott		1,56	0,065	4,2	19							19		
(12) Beckman Coulter		1,70	0,13	7,6	19							19		
(63) Sysmex		1,70	0,059	3,5	120							120		
(157) Nihon Kohden		1,71	0,29	17	8							8		
(177) MINDRAY		1,70	0,12	7,0	11							11		
(179) Siemens (Bayer)		1,75	0,12	6,6	19							19		
Other					2							2		
						2x 204								
<b>Sample B</b>		3,94	0,21	5,2	198	CVP	3,94	0,036	25%	2,95	4,93	198	197	99%
(1) Abbott		3,62	0,17	4,7	19							19		
(12) Beckman Coulter		3,90	0,22	5,7	19							19		
(63) Sysmex		4,03	0,11	2,6	120							120		
(157) Nihon Kohden		3,54	0,39	11	8							8		
(177) MINDRAY		3,78	0,32	8,5	11							11		
(179) Siemens (Bayer)		3,82	0,23	6,0	19							19		
Other					2							2		
						2x 204								
<b>(161) Lymphocytes</b>					198							198	192	97%
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		1,14	0,083	7,3	198	CVP	1,14	0,014	25%	0,855	1,43	198	195	98%
(1) Abbott		1,29	0,11	8,4	19							19		
(12) Beckman Coulter		1,08	0,063	5,8	19							19		
(63) Sysmex		1,14	0,047	4,1	120							120		
(157) Nihon Kohden		1,10	0,15	13	8							8		
(177) MINDRAY		1,23	0,11	8,8	11							11		
(179) Siemens (Bayer)		0,998	0,097	9,7	19							19		
Other					2							2		
						2x 204								
<b>Sample B</b>		1,49	0,11	7,3	198	CVP	1,49	0,019	25%	1,11	1,87	198	194	98%
(1) Abbott		1,73	0,12	6,7	19							19		
(12) Beckman Coulter		1,41	0,074	5,2	19							19		
(63) Sysmex		1,49	0,056	3,7	120							120		
(157) Nihon Kohden		1,65	0,37	22	8							8		
(177) MINDRAY		1,60	0,13	8,4	11							11		
(179) Siemens (Bayer)		1,30	0,082	6,3	19							19		
Other					2							2		
						2x 204								
<b>(162) Monocytes</b>					198							198	191	96%
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		0,411	0,07	17	198	CVP	0,411	0,012	50%	0,205	0,617	198	196	99%
(1) Abbott		0,311	0,057	18	19							19		
(12) Beckman Coulter		0,398	0,025	6,4	19							19		
(63) Sysmex		0,448	0,032	7,2	120							120		
(157) Nihon Kohden		0,400	0,15	37	8							8		

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Test	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability								
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL	N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>	
<b>(162) Monocytes</b>					198							198	191	96%	
Samples and groups	f.10(exp9)/L]														
<b>Sample A</b>		0,411	0,07	17	198		CVP	0,411	0,012	50%	0,205	0,617	198	196	99%
(177) MINDRAY		0,320	0,052	16	11	0							11		
(179) Siemens (Bayer)		0,333	0,034	10	19	0							19		
Other					2	0							2		
							2x 204								
<b>Sample B</b>		0,353	0,059	17	198		CVP	0,353	0,010	50%	0,176	0,53	198	192	97%
(1) Abbott		0,317	0,045	14	19	0							19		
(12) Beckman Coulter		0,314	0,027	8,5	19	0							19		
(63) Sysmex		0,373	0,034	9,1	120	0							120		
(157) Nihon Kohden		0,500	0,15	30	8	0							8		
(177) MINDRAY		0,319	0,096	30	11	0							11		
(179) Siemens (Bayer)		0,239	0,031	13	19	0							19		
Other					2	0							2		
							2x 204								
<b>(163) Eosinophiles</b>					198								198	182	92%
Samples and groups	f.10(exp9)/L]														
<b>Sample A</b>		0,253	0,03	12	198		CVP	0,253	,0052	50%	0,126	0,38	198	194	98%
(1) Abbott		0,253	0,016	6,2	19	0							19		
(12) Beckman Coulter		0,272	0,034	12	19	0							19		
(63) Sysmex		0,256	0,022	8,7	120	0							120		
(157) Nihon Kohden		0,250	0,074	30	8	0							8		
(177) MINDRAY		0,273	0,036	13	11	0							11		
(179) Siemens (Bayer)		0,190	0,054	29	19	0							19		
Other					2	0							2		
							2x 204								
<b>Sample B</b>		0,133	0,026	20	198		CVP	0,133	,0046	asym.	0	0,2	198	186	94%
(1) Abbott		0,098	0,029	30	19	0							19		
(12) Beckman Coulter		0,132	0,058	44	19	0							19		
(63) Sysmex		0,134	0,017	12	120	0							120		
(157) Nihon Kohden		0,150	0,074	49	8	0							8		
(177) MINDRAY		0,304	0,15	49	11	0							11		
(179) Siemens (Bayer)		0,149	0,03	20	19	0							19		
Other					2	0							2		
							2x 204								
<b>(164) Basophiles</b>					198								198	196	99%
Samples and groups	f.10(exp9)/L]														
<b>Sample A</b>		0,038	0,015	39	198		CVP	0,038	,0026	asym.	0	0,107	198	197	99%
(1) Abbott		0,060	0,014	22	19	0							19		
(12) Beckman Coulter		0,015	0,021	130	19	0							19		
(63) Sysmex		0,038	0,009	25	120	0							120		
(157) Nihon Kohden		0,050	0,074	150	8	0							8		
(177) MINDRAY		0,024	0,006	28	11	0							11		
(179) Siemens (Bayer)		0,039	0,008	22	19	0							19		
Other					2	0							2		
							2x 204								
<b>Sample B</b>		0,052	0,021	41	198		CVP	0,052	,0037	asym.	0	0,18	198	197	99%
(1) Abbott		0,125	0,029	23	19	0							19		
(12) Beckman Coulter		0,057	0,041	73	19	0							19		
(63) Sysmex		0,049	0,013	27	120	0							120		
(157) Nihon Kohden		0,050	0,074	150	8	0							8		
(177) MINDRAY		0,033	0,011	34	11	0							11		
(179) Siemens (Bayer)		0,050	0,017	33	19	0							19		
Other					2	0							2		
							2x 204								

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End of report

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