

## Summary statistics - quantitative results

(Groups: manufacturer of instrument)

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

Test	[unit]	Comparability					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>					188						188	188	100%	
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		5,48	0,19	3,5	188	CVP	5,48	0,034	15%	4,65	6,31	188	188	100%
(1) Abbott		5,34	0,11	2,0	17	0						17		
(12) Beckman Coulter		5,47	0,13	2,5	15	0						15		
(63) Sysmex		5,53	0,16	2,8	117	0						117		
(157) Nihon Kohden		5,38	0,11	2,1	7	0						7		
(177) MINDRAY		5,49	0,22	4,1	13	0						13		
(179) Siemens (Bayer)		5,27	0,17	3,3	18	0						18		
Other					1	0						1		
<b>Sample B</b>		5,10	0,35	6,8	188	CVP	5,1	0,062	asym.	3,4	5,87	188	188	100%
(1) Abbott		5,16	0,20	3,8	17	0						17		
(12) Beckman Coulter		5,24	0,25	4,7	15	0						15		
(63) Sysmex		5,13	0,35	6,8	117	0						117		
(157) Nihon Kohden		5,00	0,15	3,0	7	0						7		
(177) MINDRAY		4,81	0,68	14	13	0						13		
(179) Siemens (Bayer)		4,73	0,50	11	18	0						18		
Other					1	0						1		
<b>(160) Neutrophiles</b>					188							188	187	99%
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		2,91	0,14	4,7	188	CVP	2,91	0,025	25%	2,18	3,64	188	188	100%
(1) Abbott		2,49	0,068	2,7	17	0						17		
(12) Beckman Coulter		2,95	0,069	2,4	15	0						15		
(63) Sysmex		2,95	0,10	3,5	117	0						117		
(157) Nihon Kohden		2,73	0,19	7,1	7	0						7		
(177) MINDRAY		2,94	0,17	5,9	13	0						13		
(179) Siemens (Bayer)		2,90	0,12	4,1	18	0						18		
Other					1	0						1		
<b>Sample B</b>		2,73	0,19	6,9	188	CVP	2,73	0,034	asym.	2	3,42	188	187	99%
(1) Abbott		2,67	0,10	3,8	17	0						17		
(12) Beckman Coulter		2,84	0,20	7,1	15	0						15		
(63) Sysmex		2,75	0,17	6,2	117	0						117		
(157) Nihon Kohden		2,63	0,082	3,1	7	0						7		
(177) MINDRAY		2,59	0,30	11	13	0						13		
(179) Siemens (Bayer)		2,64	0,21	7,9	18	0						18		
Other					1	0						1		
<b>(161) Lymphocytes</b>					188							188	188	100%
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		1,74	0,12	6,7	188	CVP	1,74	0,021	25%	1,3	2,18	188	188	100%
(1) Abbott		1,98	0,11	5,3	17	0						17		
(12) Beckman Coulter		1,70	0,11	6,5	15	0						15		
(63) Sysmex		1,73	0,073	4,2	117	0						117		
(157) Nihon Kohden		1,62	0,17	11	7	0						7		
(177) MINDRAY		1,84	0,14	7,5	13	0						13		
(179) Siemens (Bayer)		1,60	0,097	6,0	18	0						18		
Other					1	0						1		
<b>Sample B</b>		1,79	0,17	9,7	188	CVP	1,79	0,031	asym.	0,95	2,24	188	188	100%
(1) Abbott		1,93	0,10	5,4	17	0						17		
(12) Beckman Coulter		1,81	0,092	5,1	15	0						15		
(63) Sysmex		1,79	0,16	9,2	117	0						117		
(157) Nihon Kohden		1,80	0,15	8,2	7	0						7		
(177) MINDRAY		1,72	0,31	18	13	0						13		
(179) Siemens (Bayer)		1,58	0,26	16	18	0						18		
Other					1	0						1		
<b>(162) Monocytes</b>					188							188	186	99%
Samples and groups	f.10(exp9)/L													
<b>Sample A</b>		0,510	0,066	13	188	CVP	0,51	0,012	50%	0,255	0,765	188	187	99%
(1) Abbott		0,490	0,051	10	17	0						17		
(12) Beckman Coulter		0,507	0,021	4,1	15	0						15		
(63) Sysmex		0,536	0,04	7,4	117	0						117		
(157) Nihon Kohden		0,550	0,074	13	7	0						7		

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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>					188							188	186	99%	
Samples and groups	f.10(exp9)/L]														
<b>Sample A</b>		0,510	0,066	13	188		CVP	0,51	0,012	50%	0,255	0,765	188	187	99%
(177) MINDRAY		0,407	0,073	18	13	0							13		
(179) Siemens (Bayer)		0,364	0,032	8,9	18	0							18		
Other					1	0							1		
							1x 204								
<b>Sample B</b>		0,379	0,071	19	188		CVP	0,379	0,013	50%	0,189	0,569	188	186	99%
(1) Abbott		0,353	0,033	9,4	17	0							17		
(12) Beckman Coulter		0,367	0,052	14	15	0							15		
(63) Sysmex		0,407	0,051	12	117	0							117		
(157) Nihon Kohden		0,450	0,074	16	7	0							7		
(177) MINDRAY		0,303	0,078	26	13	0							13		
(179) Siemens (Bayer)		0,286	0,055	19	18	0							18		
Other					1	0							1		
							1x 204								
<b>(163) Eosinophiles</b>					188								188	183	97%
Samples and groups	f.10(exp9)/L]														
<b>Sample A</b>		0,257	0,028	11	188		CVP	0,257	,0051	50%	0,128	0,386	188	184	98%
(1) Abbott		0,255	0,02	7,6	17	0							17		
(12) Beckman Coulter		0,267	0,04	15	15	0							15		
(63) Sysmex		0,258	0,02	7,8	117	0							117		
(157) Nihon Kohden		0,290	0,13	46	7	0							7		
(177) MINDRAY		0,263	0,048	18	13	0							13		
(179) Siemens (Bayer)		0,230	0,03	13	18	0							18		
Other					1	0							1		
							1x 204								
<b>Sample B</b>		0,144	0,023	16	188		CVP	0,144	,0041	50%	0,072	0,216	188	185	98%
(1) Abbott		0,146	0,016	11	17	0							17		
(12) Beckman Coulter		0,151	0,043	29	15	0							15		
(63) Sysmex		0,142	0,019	13	117	0							117		
(157) Nihon Kohden		0,155	0,082	53	7	0							7		
(177) MINDRAY		0,172	0,032	18	13	0							13		
(179) Siemens (Bayer)		0,129	0,021	16	18	0							18		
Other					1	0							1		
							1x 204								
<b>(164) Basophiles</b>					188								188	188	100%
Samples and groups	f.10(exp9)/L]														
<b>Sample A</b>		0,058	0,025	43	188		CVP	0,058	,0045	asym.	0	0,164	188	188	100%
(1) Abbott		0,108	0,03	28	17	0							17		
(12) Beckman Coulter		0,043	0,043	100	15	0							15		
(63) Sysmex		0,056	0,017	31	117	0							117		
(157) Nihon Kohden		0,050	0,074	150	7	0							7		
(177) MINDRAY		0,033	0,012	38	13	0							13		
(179) Siemens (Bayer)		0,059	0,017	29	18	0							18		
Other					1	0							1		
							1x 204								
<b>Sample B</b>		0,024	0,014	58	188		CVP	0,024	,0025	asym.	0	0,153	188	188	100%
(1) Abbott		0,061	0,016	26	17	0							17		
(12) Beckman Coulter		0,029	0,032	110	15	0							15		
(63) Sysmex		0,022	0,009	42	117	0							117		
(157) Nihon Kohden		0,010	0,015	150	7	0							7		
(177) MINDRAY		0,013	0,009	72	13	0							13		
(179) Siemens (Bayer)		0,029	0,012	42	18	0							18		
Other					1	0							1		
							1x 204								

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End of report

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