

Filter: minimal size of the groups n = 5

## EQA round: KO8/22 - Blood Count

Deadline: 21.10.2022

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 the 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]	Test					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>(150) WBC</b>					167							167	161	96%
Samples and groups	r.10(exp9)/L													
<b>Sample A</b>		6,61	0,31	4,8	167	CVP	6,61	0,060	15%	5,61	7,61	167	162	97%
All results		6,61	0,31	4,8	167	0						167		
<b>Sample B</b>		6,31	0,26	4,1	167	CVP	6,31	0,049	15%	5,36	7,26	167	165	99%
All results		6,31	0,26	4,1	167	0						167		
<b>(151) RBC</b>					167							167	162	97%
Samples and groups	r.10(exp12)/L													
<b>Sample A</b>		3,59	0,07	2,0	167	CVP	3,59	0,013	7%	3,33	3,85	167	163	98%
All results		3,59	0,07	2,0	167	0						167		
<b>Sample B</b>		3,72	0,069	1,9	167	CVP	3,72	0,013	7%	3,45	3,99	167	166	99%
All results		3,72	0,069	1,9	167	0						167		
<b>(152) Haemoglobin</b>					172							172	168	98%
Samples and groups	[g/L]													
<b>Sample A</b>		123	2,1	1,7	172	CVP	123	0,40	6%	115	131	172	170	99%
All results		123	2,1	1,7	172	1						172		
<b>Sample B</b>		129	2,0	1,6	172	CVP	129	0,38	6%	121	137	172	169	98%
All results		129	2,0	1,6	172	1						172		
<b>(153) HCT</b>					167							167	163	98%
Samples and groups	[-]													
<b>Sample A</b>		0,384	0,012	3,0	167	CVP	0,384	,0022	10%	0,345	0,423	167	163	98%
All results		0,384	0,012	3,0	167	1						167		
<b>Sample B</b>		0,407	0,012	3,0	167	CVP	0,407	,0024	10%	0,366	0,448	167	164	98%
All results		0,407	0,012	3,0	167	1						167		
<b>(154) MCV</b>					164							164	159	97%
Samples and groups	[fL]													
<b>Sample A</b>		107	3,1	2,9	164	CVP	107	0,59	10%	96,3	118	164	161	98%
All results		107	3,1	2,9	164	0						164		
<b>Sample B</b>		109	3,0	2,8	164	CVP	109	0,58	10%	98,1	120	164	159	97%
All results		109	3,0	2,8	164	0						164		
<b>(155) Platelets</b>					167							167	164	98%
Samples and groups	r.10(exp9)/L													
<b>Sample A</b>		233	11	4,8	167	CVP	233	2,1	20%	186	280	167	164	98%
All results		233	11	4,8	167	0						167		
<b>Sample B</b>		230	11	4,7	167	CVP	230	2,1	20%	184	276	167	165	99%
All results		230	11	4,7	167	0						167		
<b>(156) RDW</b>					151							145	140	97%
Samples and groups	[%]													
<b>Sample A</b>		12,8	0,40	3,1	151							145	141	97%
(1) Abbott		12,2	0,54	4,5	13	0	CVPG	12,2	0,37	10%	10,9	13,5	13	
(12) Beckman Coulter		13,7	0,15	1,1	6	0	CVPG	13,7	0,21	10%	12,3	15,1	6	
(63) Sysmex		12,8	0,16	1,2	75	2	CVPG	12,8	0,045	10%	11,5	14,1	75	
(157) Nihon Kohden		12,0	1,8	15	7	0	CVPG	12	1,7	10%	10,8	13,2	7	
(177) Mindray		12,9	0,52	4,0	44	0	CVPG	12,9	0,19	10%	11,6	14,2	44	
Other					6	0							0	
								3x 179, 1x 204, 1x 205, 1x 999						
<b>Sample B</b>		13,2	0,46	3,5	151							145	141	97%
(1) Abbott		12,8	0,56	4,4	13	0	CVPG	12,8	0,38	10%	11,5	14,1	13	
(12) Beckman Coulter		14,3	0,15	1,0	6	0	CVPG	14,3	0,21	10%	12,8	15,8	6	
(63) Sysmex		13,3	0,16	1,2	75	1	CVPG	13,3	0,045	10%	11,9	14,7	75	
(157) Nihon Kohden		12,3	1,7	14	7	0	CVPG	12,3	1,7	10%	11	13,6	7	
(177) Mindray		13,1	0,63	4,8	44	0	CVPG	13,1	0,23	10%	11,7	14,5	44	
Other					6	0							0	
								3x 179, 1x 204, 1x 205, 1x 999						
<b>(157) MPV</b>					149							144	137	95%
Samples and groups	[fL]													
<b>Sample A</b>		9,27	0,68	7,4	149							144	138	96%
(1) Abbott		6,40	1,1	18	12	0	CVPG	6,4	0,81	18%	5,24	7,56	12	
(12) Beckman Coulter		7,99	0,42	5,3	6	0	CVPG	7,99	0,59	18%	6,55	9,43	6	
(63) Sysmex		9,66	0,22	2,3	76	0	CVPG	9,66	0,063	18%	7,92	11,4	76	
(157) Nihon Kohden		6,35	1,3	20	5	0	CVPG	6,35	3,6	18%	5,2	7,5	5	
(177) Mindray		9,15	0,50	5,4	45	0	CVPG	9,15	0,18	18%	7,5	10,8	45	
Other					5	0							0	
								2x 179, 1x 204, 1x 205, 1x 999						
<b>Sample B</b>		9,61	0,69	7,2	149							144	138	96%

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Test	[unit]						Comparability						N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub>
		RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL				
<b>(157) MPV</b>	[fL]				149								144	137	95%
Samples and groups															
<b>Sample B</b>		9,61	0,69	7,2	149								144	138	96%
(1) Abbott		6,47	1,3	19	12	0	CVPG	6,47	0,88	18%	5,3	7,64	12		
(12) Beckman Coulter		8,48	0,56	6,6	6	0	CVPG	8,48	0,78	18%	6,95	10,1	6		
(63) Sysmex		9,96	0,25	2,5	76	0	CVPG	9,96	0,071	18%	8,16	11,8	76		
(157) Nihon Kohden		6,78	1,3	19	5	0	CVPG	6,78	3,7	18%	5,55	8,01	5		
(177) Mindray		9,56	0,58	6,0	45	1	CVPG	9,56	0,21	18%	7,83	11,3	45		
Other					5	0							0		
2x 179, 1x 204, 1x 205, 1x 999															
<b>(158) PDW [%]</b>	[%]				11								5	5	100%
Samples and groups															
<b>Sample A</b>		16,4	1,2	7,4	11								5	5	100%
(12) Beckman Coulter		16,2	0,074	0,46	5	0	CVPG	16,2	0,21	15%	13,7	18,7	5		
Other					6	0							0		
4x 157, 1x 204, 1x 205															
<b>Sample B</b>		16,1	1,3	8,4	11								5	5	100%
(12) Beckman Coulter		16,1	0,074	0,46	5	0	CVPG	16,1	0,21	15%	13,6	18,6	5		
Other					6	0							0		
4x 157, 1x 204, 1x 205															
<b>(165) PDW [fL]</b>	[fL]				74								74	73	99%
Samples and groups															
<b>Sample A</b>		10,1	0,54	5,4	74								74	73	99%
(63) Sysmex		10,1	0,54	5,4	74	0	CVPG	10,1	0,15	15%	8,58	11,7	74		
<b>Sample B</b>		10,9	0,54	4,9	74								74	73	99%
(63) Sysmex		10,9	0,54	4,9	74	0	CVPG	10,9	0,15	15%	9,26	12,6	74		
<b>(166) PDW [-]</b>	[-]				44								44	43	98%
Samples and groups															
<b>Sample A</b>		15,8	0,34	2,2	44								44	43	98%
(1) Abbott		19,6	1,1	5,7	8	0	CVPG	19,6	0,85	15%	16,6	22,6	8		
(177) Mindray		15,7	0,23	1,4	36	0	CVPG	15,7	0,092	15%	13,3	18,1	36		
<b>Sample B</b>		15,6	0,28	1,8	44								44	43	98%
(1) Abbott		19,3	1,1	5,8	8	0	CVPG	19,3	0,85	15%	16,4	22,2	8		
(177) Mindray		15,6	0,17	1,1	36	0	CVPG	15,6	0,068	15%	13,2	18	36		
<b>(160) Neutrophils</b>	f.10(exp9)/L				119								110	105	95%
Samples and groups															
<b>Sample A</b>		4,15	0,29	6,9	119								110	105	95%
All results (without individual groups)		4,20	0,22	5,4	110	0	CVP	4,2	0,053	25%	3,15	5,25	110		
(765) Abbott CELL-DYN Ruby		2,11	0,46	22	9	0	CVPG	2,11	0,57	25%	1,58	2,64	0		
<b>Sample B</b>		3,33	0,21	6,4	119								110	107	97%
All results (without individual groups)		3,36	0,18	5,3	110	0	CVP	3,36	0,042	25%	2,52	4,2	110		
(765) Abbott CELL-DYN Ruby		2,50	0,22	8,9	9	0	CVPG	2,5	0,27	25%	1,87	3,13	0		
<b>(161) Lymphocytes</b>	f.10(exp9)/L				119								110	106	96%
Samples and groups															
<b>Sample A</b>		1,95	0,11	5,4	119								110	106	96%
All results (without individual groups)		1,93	0,088	4,5	110	0	CVP	1,93	0,021	25%	1,44	2,42	110		
(765) Abbott CELL-DYN Ruby		2,86	0,14	5,0	9	0	CVPG	2,86	0,18	25%	2,14	3,58	0		
<b>Sample B</b>		2,31	0,14	6,0	119								110	109	99%
All results (without individual groups)		2,29	0,12	5,2	110	0	CVP	2,29	0,028	25%	1,71	2,87	110		
(765) Abbott CELL-DYN Ruby		2,64	0,18	6,9	9	0	CVPG	2,64	0,23	25%	1,98	3,3	0		
<b>(162) Monocytes</b>	f.10(exp9)/L				119								119	112	94%
Samples and groups															
<b>Sample A</b>		0,408	0,072	18	119								119	114	96%
All results		0,408	0,072	18	119	0							119		
<b>Sample B</b>		0,582	0,093	16	119								119	115	97%
All results		0,582	0,093	16	119	0							119		
<b>(163) Eosinophils</b>	f.10(exp9)/L				117								117	114	97%
Samples and groups															
<b>Sample A</b>		0,097	0,017	18	117								117	114	97%
All results		0,097	0,017	18	117	0							117		
<b>Sample B</b>		0,092	0,016	18	117								117	115	98%
All results		0,092	0,016	18	117	0							117		
<b>(164) Basophiles</b>	f.10(exp9)/L				117								117	109	93%
Samples and groups															
<b>Sample A</b>		0,055	0,036	66	117								117	109	93%
All results		0,055	0,036	66	117	0							117		
<b>Sample B</b>		0,046	0,031	66	117								117	117	100%
All results		0,046	0,031	66	117	0							117		

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Test	[unit]						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>(164) Basophiles</b>					117							117	109	93%
Samples and groups	1.10(exp9)/L]													
<b>Sample B</b>						CVP								
All results		0,046	0,031	66	117		0,046	,0069	asym.	0	0,19	117	117	100%
		0,046	0,031	66	117	0						117		
st_kn_p						End of report								Printed: 28.10.2022