

Filter: Slovakia, minimal size of groups n = 5

EQA round: KO2/18 - Blood Count

Dead line: 07.06.2018

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 _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]						Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(150) WBC					67							67	66	99%
Samples and groups	f.10(exp9)/L													
Sample A		15,8	0,60	3,8	67	CVP	16 0,076	15%	13,6	18,4	67	67	100%	
All results		15,8	0,60	3,8	67	0					67			
Sample B		3,02	0,14	4,6	67	CVP	3,08 0,017	18%	2,52	3,64	67	66	99%	
All results		3,02	0,14	4,6	67	0					67			
(151) RBC					67						67	65	97%	
Samples and groups	f.10(exp12)/L													
Sample A		4,33	0,11	2,6	67	CVP	4,34 0,011	7%	4,03	4,65	67	67	100%	
All results		4,33	0,11	2,6	67	0					67			
Sample B		2,01	0,054	2,7	67	CVP	2,0058	7%	1,86	2,14	67	65	97%	
All results		2,01	0,054	2,7	67	0					67			
(152) Haemoglobin					67						67	67	100%	
Samples and groups	[g/L]													
Sample A		127	2,2	1,7	67	CVP	127 0,25	6%	119	135	67	67	100%	
All results		127	2,2	1,7	67	0					67			
Sample B		57,0	1,4	2,4	67	CVP	56,9 0,18	6%	53,4	60,4	67	67	100%	
All results		57,0	1,4	2,4	67	0					67			
(153) HCT					66						66	56	85%	
Samples and groups	[-]													
Sample A		0,357	0,02	5,6	66						66	61	92%	
(1) Automate		0,358	0,019	5,2	63	0	CVPG 0,359 ,0019	10%	0,323	0,395	63			
Other					3	0					3			
							3x2							
Sample B		0,177	0,008	5,0	66						66	59	89%	
(1) Automate		0,177	0,008	4,9	63	0	CVPG 0,172	0	10%	0,154 0,19	63			
Other					3	0					3			
							3x2							
(154) MCV					67						67	63	94%	
Samples and groups	[fL]													
Sample A		82,4	4,0	4,8	67						67	63	94%	
(1) Automate		82,7	3,7	4,5	64	0	CVPG 82,7 0,41	10%	74,4	91	64			
Other					3	0					3			
							3x2							
Sample B		87,6	4,2	4,7	67						67	66	99%	
(1) Automate		87,9	3,8	4,3	64	0	CVPG 85,9 0,41	10%	77,3	94,5	64			
Other					3	0					3			
							3x2							
(155) Platelets					67						67	65	97%	
Samples and groups	f.10(exp9)/L													
Sample A		205	12	6,0	67	CVP	206 1,3	20%	164	248	67	67	100%	
All results		205	12	6,0	67	0					67			
Sample B		43,5	4,7	11	67						67	65	97%	
All results (without individual groups)		43,2	4,4	10	64	0	CVPG 43,3 0,57	27%	31,6	55	64			
Other					3	0					3			
							3x2							
(156) RDW					56						52	49	94%	
Samples and groups	[%]													
Sample A		14,0	2,0	14	56						52	49	94%	
(749) Sysmex XE, XS, XT series		15,0	0,20	1,3	24	0	CVPG 14,9 0,062	10%	13,4	16,4	24			
(755) Sysmex KX series		10,9	0,52	4,8	8	1	CVPG 10,9 0,35	10%	9,81	12	8			
(768) MINDRAY BC 5xxx series		14,6	1,5	10	7	0	CVPG 14,6 0,55	10%	13,1	16,1	7			
Other					17	0					13			
							1x 741, 3x 748, 3x 765, 3x 766, 3x 772, 3x 773, 1x 999							
Sample B		12,7	1,4	11	56						52	51	98%	
(749) Sysmex XE, XS, XT series		13,3	0,30	2,2	24	0	CVPG 13,2 0,093	10%	11,8	14,6	24			
(755) Sysmex KX series		9,00	0,15	1,6	8	1	CVPG 8,98 0,21	10%	8,08	9,88	8			
(768) MINDRAY BC 5xxx series		13,3	1,1	8,4	7	0	CVPG 13 0,44	10%	11,7	14,3	7			
Other					17	0					13			
							1x 741, 3x 748, 3x 765, 3x 766, 3x 772, 3x 773, 1x 999							
(157) MPV					61						59	54	92%	
Samples and groups	[fL]													
Sample A		9,30	0,57	6,2	61						59	58	98%	
(1) Automate; (63) Sysmex		9,49	0,36	3,8	43	0	CVPG 9,74 0,061	18%	7,98	11,5	43			
(1) Automate; (177) MINDRAY		8,95	0,93	10	10	0	CVPG 9,01 0,26	18%	7,38	10,7	10			

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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}
(157) MPV					61							59	54	92%
Samples and groups	[fL]													
Sample A		9,30	0,57	6,2	61							59	58	98%
Other					8	0						6		
							3x 1/12, 1x 1/199, 1x 1/999, 3x 2/1							
Sample B		8,95	0,71	7,9	61							59	54	92%
(1) Automate; (63) Sysmex		9,21	0,42	4,5	43	0	CVPG	9,8	0,11	18%	8,03	11,6	43	
(1) Automate; (177) MINDRAY		8,40	0,81	9,7	10	0	CVPG	8,8	0,31	18%	7,21	10,4	10	
Other					8	0						6		
							3x 1/12, 1x 1/199, 1x 1/999, 3x 2/1							
(158) PDW [%]					5							3	3	100%
Samples and groups	[%]													
Sample A		18,4	1,9	10	5							3	3	100%
Other					5	0						3		
							3x 12, 1x 199, 1x 999							
Sample B		18,2	0,52	2,9	5							3	3	100%
Other					5	0						3		
							3x 12, 1x 199, 1x 999							
(165) PDW [fL]					43							43	37	86%
Samples and groups	[fL]													
Sample A		11,4	0,77	6,8	43		CVP	11,1	0,099	15%	9,43	12,8	43	41
All results		11,4	0,77	6,8	43	0						43		
Sample B		10,7	1,1	10	43		CVP	10,4	0,14	15%	8,84	12	43	37
All results		10,7	1,1	10	43	0						43		
(166) PDW [-]					11							11	11	100%
Samples and groups	[-]													
Sample A		16,4	0,55	3,3	11							11	11	100%
(177) MINDRAY		16,4	0,52	3,2	9	0	CVPG	15,9	0,13	15%	13,5	18,3	9	
Other					2	0						2		
							2x 1							
Sample B		17,0	0,84	4,9	11							11	11	100%
(177) MINDRAY		16,9	0,89	5,3	9	0	CVPG	16,4	0,24	15%	13,9	18,9	9	
Other					2	0						2		
							2x 1							

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End of report

Printed: 13.06.2018