SEKK

Summary statistics - quantitative results

Filter: Slovakia, minimal size of groups n = 5

EQA round: KO3/17 - Blood Count

Dead line: 28.07.2017

RoM = robust average
SD = standard deviation
CV = coefficient of variation
Ntot = total number of participants
Nout = number of results excluded before calculation

AV = assigned value
CRV = certified reference value
RV = reference value
CVE = consensus value from experts
CVP = consensus value from all participants
CVPG = consensus value from participants groups
U_{AV} = expanded uncertainty of the assigned value (k = 2)

Dmax = acceptable percent difference
LL = lower limit
UL = upper limit
Neva = number of evaluated participants
Nsuc = number of successful participants
Srel = success (relative)

Test / Samples and groups	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability: AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel}
(150) WBC	[10(exp9)/L]				49							49	48	98%
Sample A		10,5	0,48	4,5	49		CVP 10,6	0,079	15%	9,01	12,2	49	48	98%
All results		10,5	0,48	4,5	49	0						49		
Sample B		3,76	0,20	5,2	49		CVP 3,76	0,033	18%	3,08	4,44	49	49	100%
All results		3,76	0,20	5,2	49	0						49		
(151) RBC	[10(exp12)/L]				49							49	49	100%
Sample A		3,50	0,055	1,6	49		CVP 3,51	0,012	7%	3,26	3,76	49	49	100%
All results		3,50	0,055	1,6	49	0						49		
Sample B		6,39	0,098	1,5	49		CVP 6,42	0,021	7%	5,97	6,87	49	49	100%
All results		6,39	0,098	1,5	49	0						49		
(152) Haemoglobin	[g/L]				49							49	48	98%
Sample A		90,9	1,5	1,6	49		CVP 90,7	0,28	6%	85,2	96,2	49	48	98%
All results		90,9	1,5	1,6	49	0						49		
Sample B		171	3,2	1,9	49		CVP 169	0,55	6%	158	180	49	49	100%
All results		171	3,2	1,9	49	0						49		
(153) HCT	[-]				49							49	47	96%
Sample A		0,252	0,011	4,5	49							49	48	98%
(1) Automate		0,253	0,011	4,2	46	0	CVPG 0,261	,0024	10%	0,234	0,288	46		
Other					3	0						3		
						3x 2								
Sample B		0,475	0,019	4,0	49							49	48	98%
(1) Automate		0,476	0,018	3,8	46	0	CVPG 0,492	,0039	10%	0,442	0,542	46		
Other					3	0						3		
						3x 2								
(154) MCV	[fL]				49							49	49	100%
Sample A		72,1	2,7	3,7	49							49	49	100%
(1) Automate		72,3	2,4	3,4	46	0	CVPG 74,2	0,59	10%	66,7	81,7	46		
Other					3	0						3		
						3x 2								
Sample B		74,4	2,7	3,7	49							49	49	100%
(1) Automate		74,7	2,6	3,5	46	0	CVPG 76,7	0,60	10%	69	84,4	46		
Other					3	0						3		
						3x 2								
(155) Platelets	[10(exp9)/L]				49							49	49	100%
Sample A		509	36	7,2	49							49	49	100%
All results (without individual groups)		510	36	7,0	48	0	CVP 504	6,6	20%	403	605	48		
Other					1	0						1		
						1x 3								
Sample B		179	18	10	49							49	49	100%
All results (without individual groups)		180	18	9,9	48	0	CVP 178	3,3	27%	129	227	48		
Other					1	0						1		
						1x 3								
(156) RDW	[%]				40							40	34	85%
Sample A		13,8	2,4	17	40							40	36	90%
(749) Sysmex XE, XS, XT series		15,1	0,15	0,99	17	0	CVPG 15,2	0,082	10%	13,6	16,8	17		
(755) Sysmex KX series		10,8	0,65	6,0	12	1	CVPG 10,7	0,36	10%	9,63	11,8	12		
Other					11	0						11		
						1x 737, 2x 765, 2x 766, 2x 768, 2x 772, 2x 773								
Sample B		16,6	3,0	18	40							40	34	85%
(749) Sysmex XE, XS, XT series		18,5	1,2	6,6	17	0	CVPG 18,4	0,47	10%	16,5	20,3	17		
(755) Sysmex KX series		13,5	0,76	5,6	12	1	CVPG 13,3	0,42	10%	11,9	14,7	12		
Other					11	0						11		
						1x 737, 2x 765, 2x 766, 2x 768, 2x 772, 2x 773								
(157) MPV	[fL]				43							42	41	98%
Sample A		9,63	0,46	4,8	43							42	41	98%
(1) Automate; (63) Sysmex		9,65	0,37	3,8	34	0	CVPG 9,85	0,099	18%	8,07	11,7	34		

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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	[fL]				43								42	41	98%
Samples and groups															
Sample A		9,63	0,46	4,8	43								42	41	98%
Other					9	0	2x 1/12, 1x 1/176, 3x 1/177, 1x 1/179, 2x 2/1						8		
Sample B		9,49	0,38	4,0	43								42	42	100%
(1) Automate; (63) Sysmex		9,46	0,38	4,0	34	0	CVPG	9,61	0,079	18%	7,88	11,4	34		
Other					9	0	2x 1/12, 1x 1/176, 3x 1/177, 1x 1/179, 2x 2/1						8		
(158) PDW [%]	[%]				3								2	2	100%
Samples and groups															
Sample A		21,3	10	49	3								2	2	100%
Other					3	0	1x 12, 1x 176, 1x 179						2		
Sample B		31,0	23	73	3								2	2	100%
Other					3	0	1x 12, 1x 176, 1x 179						2		
(165) PDW [fL]	[fL]				32								32	31	97%
Samples and groups															
Sample A		9,39	0,45	4,8	32		CVP	9,35	0,10	15%	7,94	10,8	32	31	97%
All results		9,39	0,45	4,8	32	0							32		
Sample B		10,9	0,87	8,0	32		CVP	10,5	0,16	15%	8,92	12,1	32	32	100%
All results		10,9	0,87	8,0	32	0							32		
(166) PDW [-]	[-]				4								4	4	100%
Samples and groups															
Sample A		15,8	2,2	14	4								4	4	100%
Other					4	0	1x 1, 3x 177						4		
Sample B		17,0	2,2	13	4								4	4	100%
Other					4	0	1x 1, 3x 177						4		