SEKK

Summary statistics - quantitative results

Filter: Slovakia, minimal size of groups n = 5

EQA round: KO3/19 - Blood Count

Dead line: 26.07.2019

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]				53								53	49	92%
Sample A		6,01	0,28	4,6	53		CVP	6,03	0,038	15%	5,12	6,94	53	49	92%
All results		6,01	0,28	4,6	53	0							53		
Sample B		8,79	0,29	3,3	53		CVP	8,84	0,045	15%	7,51	10,2	53	53	100%
All results		8,79	0,29	3,3	53	0							53		
(151) RBC	[10(exp12)/L]				53								53	53	100%
Sample A		5,15	0,092	1,8	53		CVP	5,18	0,014	7%	4,81	5,55	53	53	100%
All results		5,15	0,092	1,8	53	0							53		
Sample B		4,49	0,078	1,7	53		CVP	4,51	0,011	7%	4,19	4,83	53	53	100%
All results		4,49	0,078	1,7	53	0							53		
(152) Haemoglobin	[g/L]				53								53	53	100%
Sample A		158	2,8	1,8	53		CVP	160	0,42	6%	150	170	53	53	100%
All results		158	2,8	1,8	53	0							53		
Sample B		134	2,1	1,6	53		CVP	135	0,31	6%	126	144	53	53	100%
All results		134	2,1	1,6	53	0							53		
(153) HCT	[-]				53								53	51	96%
Sample A		0,438	0,016	3,6	53								53	51	96%
(1) Automate		0,439	0,015	3,4	51	1	CVPG	0,448	,0027	10%	0,403	0,493	51		
Other					2	0	2x 2						2		
Sample B		0,371	0,014	3,7	53								53	51	96%
(1) Automate		0,372	0,013	3,4	51	1	CVPG	0,378	,0023	10%	0,34	0,416	51		
Other					2	0	2x 2						2		
(154) MCV	[fL]				53								53	51	96%
Sample A		84,8	2,8	3,4	53								53	51	96%
(1) Automate		85,0	2,7	3,2	51	0	CVPG	86,3	0,56	10%	77,6	95	51		
Other					2	0	2x 2						2		
Sample B		82,3	2,8	3,5	53								53	51	96%
(1) Automate		82,5	2,7	3,3	51	0	CVPG	83,7	0,54	10%	75,3	92,1	51		
Other					2	0	2x 2						2		
(155) Platelets	[10(exp9)/L]				53								53	53	100%
Sample A		75,7	5,7	7,5	53								53	53	100%
All results (without individual groups)		75,5	5,5	7,3	52	0	CVP	75,3	0,84	27%	54,9	95,7	52		
Other					1	0	1x 765						1		
Sample B		236	16	6,6	53		CVP	236	2,0	20%	188	284	53	53	100%
All results		236	16	6,6	53	0							53		
(156) RDW	[%]				43								41	39	95%
Sample A		11,9	2,3	20	43								41	40	98%
(749) Sysmex XE, XS, XT series		13,3	0,26	2,0	19	0	CVPG	13,2	0,13	10%	11,8	14,6	19		
(755) Sysmex KX series		8,66	0,52	6,0	10	0	CVPG	8,57	0,37	10%	7,71	9,43	10		
(772) Sysmex XN series		12,5	0,15	1,2	7	0	CVPG	12,6	0,051	10%	11,3	13,9	7		
Other					7	0	1x 737, 1x 765, 1x 768, 1x 771, 3x 773						5		
Sample B		12,4	2,2	18	43								41	39	95%
(749) Sysmex XE, XS, XT series		13,6	0,34	2,5	19	0	CVPG	13,5	0,14	10%	12,1	14,9	19		
(755) Sysmex KX series		9,23	0,72	7,8	10	0	CVPG	9,15	0,49	10%	8,23	10,1	10		
(772) Sysmex XN series		12,9	0,15	1,1	7	0	CVPG	13	0,059	10%	11,7	14,3	7		
Other					7	0	1x 737, 1x 765, 1x 768, 1x 771, 3x 773						5		
(157) MPV	[fL]				47								47	47	100%
Sample A		9,62	0,61	6,3	47								47	47	100%
(1) Automate; (63) Sysmex		9,67	0,50	5,2	40	0	CVPG	10	0,11	18%	8,2	11,8	40		
Other					7	0	3x 1/12, 2x 1/177, 1x 1/179, 1x 2/1						7		

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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}
Sample B		9,89	0,47	4,8	47								47	47	100%
(1) Automate; (63) Sysmex		9,92	0,40	4,0	40	0	CVPG	10,2	0,077	18%	8,36	12,1	40		
Other					7	0							7		
							3x 1/12, 2x 1/177, 1x 1/179, 1x 2/1								
(158) PDW [%]	[%]				3								3	3	100%
Samples and groups															
Sample A		30,6	18	59	3								3	3	100%
Other					3	0							3		
							2x 12, 1x 179								
Sample B		25,8	12	47	3								3	3	100%
Other					3	0							3		
							2x 12, 1x 179								
(165) PDW [fL]	[fL]				38								38	35	92%
Samples and groups															
Sample A		11,3	0,75	6,6	38		CVP	11,2	0,19	15%	9,52	12,9	38	35	92%
All results		11,3	0,75	6,6	38	0							38		
Sample B		12,1	0,62	5,1	38		CVP	12	0,13	15%	10,2	13,8	38	38	100%
All results		12,1	0,62	5,1	38	0							38		
(166) PDW [-]	[-]				2								2	2	100%
Samples and groups															
Sample A		19,2	2,3	12	2								2	2	100%
Other					2	0							2		
							1x 1, 1x 177								
Sample B		17,3	0,80	4,6	2								2	2	100%
Other					2	0							2		
							1x 1, 1x 177								