

Summary statistics - quantitative results

Filter: Slovakia, minimal size of the groups n = 5

EQA round: KO6/22 - Blood Count

Deadline: 23.09.2022

RoM = robust average
 SD = standard deviation
 CV = coefficient of variation
 Ntot = total number of the 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	[unit]	Comparability													
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(150) WBC	$\cdot 10(\text{exp}9)/\text{L}$	37										37	37	100%	
Samples and groups															
Sample A		4,73	0,21	4,3	37	0	CVP	4,71	0,038	15%	4	5,42	37	37	100%
All results		4,73	0,21	4,3	37	0							37		
Sample B		5,24	0,18	3,5	37	0	CVP	5,24	0,031	15%	4,45	6,03	37	37	100%
All results		5,24	0,18	3,5	37	0							37		
(151) RBC	$\cdot 10(\text{exp}12)/\text{L}$	37										37	36	97%	
Samples and groups															
Sample A		3,85	0,074	1,9	37	0	CVP	3,85	0,012	7%	3,58	4,12	37	36	97%
All results		3,85	0,074	1,9	37	0							37		
Sample B		4,29	0,091	2,1	37	0	CVP	4,31	0,012	7%	4	4,62	37	36	97%
All results		4,29	0,091	2,1	37	0							37		
(152) Haemoglobin	[g/L]	37										37	37	100%	
Samples and groups															
Sample A		123	1,8	1,4	37	0	CVP	123	0,35	6%	115	131	37	37	100%
All results		123	1,8	1,4	37	0							37		
Sample B		129	2,0	1,6	37	0	CVP	129	0,35	6%	121	137	37	37	100%
All results		129	2,0	1,6	37	0							37		
(153) HCT	[-]	37										37	37	100%	
Samples and groups															
Sample A		0,379	0,007	2,0	37	0	CVP	0,382	,0019	10%	0,343	0,421	37	37	100%
All results		0,379	0,007	2,0	37	0							37		
Sample B		0,418	0,012	2,8	37	0	CVP	0,422	,0024	10%	0,379	0,465	37	37	100%
All results		0,418	0,012	2,8	37	0							37		
(154) MCV	[fL]	37										37	37	100%	
Samples and groups															
Sample A		98,7	2,1	2,1	37	0	CVP	99,2	0,41	10%	89,2	110	37	37	100%
All results		98,7	2,1	2,1	37	0							37		
Sample B		97,4	2,3	2,4	37	0	CVP	97,9	0,50	10%	88,1	108	37	37	100%
All results		97,4	2,3	2,4	37	0							37		
(155) Platelets	$\cdot 10(\text{exp}9)/\text{L}$	37										37	37	100%	
Samples and groups															
Sample A		252	9,7	3,9	37	0	CVP	251	2,0	20%	200	302	37	37	100%
All results		252	9,7	3,9	37	0							37		
Sample B		236	14	6,1	37	0	CVP	236	2,2	20%	188	284	37	37	100%
All results		236	14	6,1	37	0							37		
(156) RDW	[%]	34										34	33	97%	
Samples and groups															
Sample A		13,6	0,38	2,8	34								34	33	97%
(63) Sysmex		13,6	0,24	1,7	18	1	CVPG	13,6	0,040	10%	12,2	15	18		
(177) Mindray		13,3	0,65	4,9	10	0	CVPG	13,4	0,33	10%	12	14,8	10		
Other					6	0							6		
Sample B		14,7	0,46	3,1	34								34	33	97%
(63) Sysmex		14,6	0,34	2,3	18	1	CVPG	14,5	0,041	10%	13	16	18		
(177) Mindray		14,4	0,57	3,9	10	0	CVPG	14,6	0,27	10%	13,1	16,1	10		
Other					6	0							6		
(157) MPV	[fL]	37										37	37	100%	
Samples and groups															
Sample A		9,96	0,62	6,3	37								37	37	100%
(63) Sysmex		10,3	0,39	3,8	19	0	CVPG	10,3	0,060	18%	8,44	12,2	19		
(177) Mindray		9,92	0,49	4,9	12	0	CVPG	9,94	0,24	18%	8,15	11,8	12		
Other					6	0							6		
Sample B		11,3	0,71	6,3	37								37	37	100%
(63) Sysmex		11,4	0,27	2,3	19	0	CVPG	11,5	0,059	18%	9,43	13,6	19		
(177) Mindray		11,5	0,67	5,8	12	0	CVPG	11,6	0,29	18%	9,51	13,7	12		
Other					6	0							6		
(158) PDW [%]	[%]	2										2	2	100%	
Samples and groups															
Sample A		17,1	0,130	0,73	2								2	2	100%

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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}	
(158) PDW [%]	[%]				2							2	2	100%	
Samples and groups															
Sample A		17,1	0,130	0,73	2							2	2	100%	
Other					2	0								2	
Sample B		17,2	0,025	0,15	2		2x 12					2	2	100%	
Other					2	0		2x 12						2	
(165) PDW [fL]	[fL]				19							19	17	89%	
Samples and groups															
Sample A		11,8	0,61	5,2	19							19	17	89%	
(63) Sysmex		11,8	0,61	5,2	19	0	CVPG	11,6	0,16	15%	9,86	13,4	19		
Sample B		14,7	0,98	6,7	19							19	18	95%	
(63) Sysmex		14,7	0,98	6,7	19	0	CVPG	14,4	0,19	15%	12,2	16,6	19		
(166) PDW [-]	[-]				9							9	9	100%	
Samples and groups															
Sample A		16,2	0,150	0,92	9							9	9	100%	
(177) Mindray		16,1	0,150	0,92	7	0	CVPG	16,1	0,079	15%	13,6	18,6	7		
Other					2	0							2		
Sample B		16,2	0,150	0,92	9		2x 1					9	9	100%	
(177) Mindray		16,2	0,074	0,46	7	0	CVPG	16,2	0,10	15%	13,7	18,7	7		
Other					2	0		2x 1					2		
(160) Neutrophiles	[·10(exp9)/L]				28							26	25	96%	
Samples and groups															
Sample A		2,44	0,18	7,2	28							26	25	96%	
All results (without individual groups)		2,46	0,16	6,4	26	0	CVP	2,41	0,031	25%	1,8	3,02	26		
Other					2	0							0		
Sample B		2,56	0,11	4,3	28		2x 765					28	27	96%	
All results		2,56	0,11	4,3	28	1	CVP	2,51	0,023	25%	1,88	3,14	28		
(161) Lymphocytes	[·10(exp9)/L]				29							29	29	100%	
Samples and groups															
Sample A		1,76	0,08	4,5	29		CVP	1,78	0,019	25%	1,33	2,23	29	29	100%
All results		1,76	0,08	4,5	29	0	CVP	2,22	0,021	25%	1,66	2,78	29	29	100%
Sample B		2,19	0,12	5,5	29		CVP	2,22	0,021	25%	1,66	2,78	29	29	100%
All results		2,19	0,12	5,5	29	0							29		
(162) Monocytes	[·10(exp9)/L]				28							28	26	93%	
Samples and groups															
Sample A		0,385	0,069	18	28		CVP	0,395	0,011	50%	0,197	0,593	28	27	96%
All results		0,385	0,069	18	28	0	CVP	0,405	,0090	50%	0,202	0,608	28		
Sample B		0,382	0,072	19	28		CVP	0,405	,0090	50%	0,202	0,608	28	26	93%
All results		0,382	0,072	19	28	1	CVP	0,405	,0090	50%	0,202	0,608	28		
(163) Eosinophils	[·10(exp9)/L]				28							28	27	96%	
Samples and groups															
Sample A		0,118	0,016	13	28		CVP	0,111	,0030	50%	0,055	0,167	28	27	96%
All results		0,118	0,016	13	28	0	CVP	0,084	,0025	50%	0,042	0,126	28	27	96%
Sample B		0,085	0,012	14	28		CVP	0,044	,0045	asym.	0,042	0,126	28	27	96%
All results		0,085	0,012	14	28	1	CVP	0,044	,0045	asym.	0,042	0,126	28		
(164) Basophiles	[·10(exp9)/L]				28							28	26	93%	
Samples and groups															
Sample A		0,047	0,022	46	28		CVP	0,064	,0075	asym.	0	0,142	28	26	93%
All results		0,047	0,022	46	28	0	CVP	0,044	,0045	asym.	0	0,158	28	27	96%
Sample B		0,038	0,015	39	28		CVP	0,044	,0045	asym.	0	0,158	28	27	96%
All results		0,038	0,015	39	28	0	CVP	0,044	,0045	asym.	0	0,158	28		

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End of report

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