Summary statistics - quantitative results

EQA round: KO8/26 - Blood Count

Deadline: 23.10.2026

Setup: Slovakia; minimal size of the groups n = 5

RoM = robust average
SD = standard deviation
CV = coefficient of variation
N_{tot} = total number of the results
N_{out} = number of the results removed before calculation
AV = assigned value
CVP = consensus of all participants
CVPG = consensus of the participants' groups
U_{AV} = expanded uncertainty of the assigned value (k = 2)
D_{max} = acceptable difference
LL = lower limit
UL = upper limit
N_{eva} = number of the results assessed
N_{suc} = number of successful results
S_{rel} = relative success

Test / Sample / Group	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}		AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
							Comparability								
(150) **WBC**	[·10⁹/L]				31								31	28	90
Sample A													31	28	90
All results		6,57	0,42	6,4	31	0	CVP	6,68	0,064	15%	5,67	7,69	31		
Sample B													31	30	97
All results		5,91	0,28	4,7	31	0	CVP	6,01	0,038	15%	5,1	6,92	31		
(151) **RBC**	[·10¹²/L]				31								31	29	94
Sample A													31	30	97
All results		3,57	0,078	2,2	31	0	CVP	3,54	0,013	7%	3,29	3,79	31		
Sample B													31	29	94
All results		4,12	0,085	2,1	31	0	CVP	4,09	0,014	7%	3,8	4,38	31		
(152) **Haemoglobin**	[g/L]				31								31	31	100
Sample A													31	31	100
All results		123	1,6	1,3	31	0	CVP	123	0,35	6%	115	131	31		
Sample B													31	31	100
All results		120	1,6	1,3	31	0	CVP	120	0,34	6%	112	128	31		
(153) **HCT**	[-]				31								31	31	100
Sample A													31	31	100
All results		0,369	0,015	4,1	31	0	CVP	0,374	0,002	10%	0,336	0,412	31		
Sample B													31	31	100
All results		0,367	0,016	4,3	31	0	CVP	0,372	0,002	10%	0,334	0,41	31		
(154) **MCV**	[fL]				31								31	29	94
Sample A													31	30	97
All results		103	5,1	4,9	31	0	CVP	106	0,51	10%	95,4	117	31		
Sample B													31	29	94
All results		88,9	4,6	5,2	31	0	CVP	91,1	0,47	10%	81,9	101	31		
(156) **RDW**	[%]				25								24	23	96
Sample A		12,2	0,49	4	25								24	23	96
(63) Sysmex		12,4	0,4	3,2	10	0	CVPG	12,1	0,043	10%	10,8	13,4	10		
(177) Mindray		12	0,47	3,9	14	0	CVPG	11,9	0,12	10%	10,7	13,1	14		
Other					1	0							0		
							1x 12								
Sample B		12,6	0,39	3,1	25								24	23	96
(63) Sysmex		12,4	0,35	2,8	10	0	CVPG	12,3	0,043	10%	11	13,6	10		
(177) Mindray		12,7	0,35	2,8	14	0	CVPG	12,6	0,088	10%	11,3	13,9	14		
Other					1	0							0		
							1x 12								
(155) **Platelets**	[·10⁹/L]				31								31	29	94
Sample A													31	31	100
All results		256	13	5	31	0	CVP	253	2,5	18%	207	299	31		
Sample B													31	29	94
All results		313	18	5,9	31	0	CVP	311	3,1	18%	255	367	31		
(157) **MPV**	[fL]				27								26	26	100
Sample A		9,12	0,51	5,6	27								26	26	100
(63) Sysmex		9,5	0,25	2,6	11	0	CVPG	9,4	0,044	18%	7,7	11,1	11		
(177) Mindray		8,9	0,38	4,3	15	0	CVPG	8,98	0,1	18%	7,36	10,6	15		
Other					1	0							0		
							1x 12								
Sample B		9,58	0,56	5,8	27								26	26	100
(63) Sysmex		9,96	0,3	3	11	0	CVPG	9,69	0,058	18%	7,94	11,5	11		
(177) Mindray		9,32	0,36	3,9	15	0	CVPG	9,34	0,1	18%	7,65	11,1	15		
Other					1	0							0		
							1x 12								
(129) **Immature platelet fraction**	[%]				3								3	2	67
Sample A		2,34	0,36	15	3								3	2	67
Other					3	1							3		
							1x 63, 2x 177								
Sample B		1,6	0	0	3								3	2	67
Other					3	1							3		
							1x 63, 2x 177								
(165) **PDW [fL]**	[fL]				10								10	10	100
Sample A													10	10	100
All results		9,53	0,41	4,3	10	0	CVP	9,42	0,11	15%	8	10,9	10		
Sample B													10	10	100
All results		11	0,56	5,1	10	0	CVP	10,5	0,12	15%	8,92	12,1	10		

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Test / Sample / Group	[unit]	RoM	SD	CV [%]	N_{tot}	N_{out}	Comparability	AV	U_{AV}	D_{max}	LL	UL	N_{eva}	N_{suc}	S_{rel} [%]
(166) **PDW [-]**	[-]				11								11	11	100
Sample A													11	11	100
All results		15,8	0,12	0,75	11	0	CVP	15,8	0,071	15%	13,4	18,2	11		
Sample B													11	11	100
All results		15,9	0,18	1,1	11	0	CVP	15,8	0,061	15%	13,4	18,2	11		
(160) **Neutrophiles**	[·10^9/L]				23								23	21	91
Sample A													23	21	91
All results		3,96	0,37	9,4	23	1	CVP	4,06	0,038	25%	3,04	5,08	23		
Sample B													23	22	96
All results		3,49	0,27	7,6	23	0	CVP	3,47	0,026	25%	2,6	4,34	23		
(161) **Lymphocytes**	[·10^9/L]				24								24	23	96
Sample A													24	23	96
All results		2,04	0,2	9,6	24	0	CVP	2,11	0,022	25%	1,58	2,64	24		
Sample B													24	24	100
All results		1,82	0,14	7,6	24	0	CVP	1,85	0,018	25%	1,38	2,32	24		
(162) **Monocytes**	[·10^9/L]				23								23	19	83
Sample A													23	21	91
All results		0,362	0,093	26	23	0	CVP	0,446	0,016	50%	0,223	0,669	23		
Sample B													23	20	87
All results		0,347	0,11	33	23	0	CVP	0,437	0,015	50%	0,218	0,656	23		
(163) **Eosinophils**	[·10^9/L]				23								23	21	91
Sample A													23	22	96
All results		0,098	0,022	22	23	0	CVP	0,102	0,003	50%	0,051	0,153	23		
Sample B													23	22	96
All results		0,21	0,032	15	23	0	CVP	0,226	0,006	50%	0,113	0,339	23		
(164) **Basophiles**	[·10^9/L]				23								23	21	91
Sample A													23	21	91
All results		0,035	0,021	60	23	0	CVP	0,036	0,004	asym.	0	0,201	23		
Sample B													23	23	100
All results		0,054	0,037	68	23	0	CVP	0,06	0,004	asym.	0	0,181	23		