Summary statistics - quantitative results

EQA round: KO4/26 - Blood Count

Deadline: 19.6.2026

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]				55								55	52	95
Sample A													55	54	98
All results		4,82	0,32	6,5	55	0	CVP	5,03	0,048	15%	4,27	5,79	55		
Sample B													55	53	96
All results		5,25	0,32	6,1	55	0	CVP	5,46	0,045	15%	4,64	6,28	55		
(151) **RBC**	[·10¹²/L]				55								55	55	100
Sample A													55	55	100
All results		4,24	0,09	2,1	55	0	CVP	4,23	0,014	7%	3,93	4,53	55		
Sample B													55	55	100
All results		3,98	0,075	1,9	55	0	CVP	3,96	0,014	7%	3,68	4,24	55		
(152) **Haemoglobin**	[g/L]				55								55	53	96
Sample A													55	54	98
All results		128	1,7	1,3	55	0	CVP	128	0,34	6%	120	136	55		
Sample B													55	54	98
All results		119	1,4	1,2	55	0	CVP	119	0,31	6%	111	127	55		
(153) **HCT**	[-]				54								54	51	94
Sample A													54	51	94
All results		0,412	0,021	5	54	1	CVP	0,412	0,003	10%	0,37	0,454	54		
Sample B													54	53	98
All results		0,389	0,021	5,3	54	1	CVP	0,391	0,003	10%	0,351	0,431	54		
(154) **MCV**	[fL]				55								55	55	100
Sample A													55	55	100
All results		97,4	4,5	4,6	55	0	CVP	97,5	0,62	10%	87,7	108	55		
Sample B													55	55	100
All results		98,2	5,1	5,2	55	0	CVP	98,9	0,76	10%	89	109	55		
(156) **RDW**	[%]				48								46	46	100
Sample A		15,9	0,31	2	48								46	46	100
(63) Sysmex		15,8	0,23	1,4	18	0	CVPG	15,2	0,083	10%	13,6	16,8	18		
(177) Mindray		15,9	0,3	1,9	28	0	CVPG	15,7	0,2	10%	14,1	17,3	28		
Other					2	0							0		
							2x 12								
Sample B		15,9	0,5	3,1	48								46	46	100
(63) Sysmex		15,4	0,17	1,1	18	0	CVPG	14,8	0,075	10%	13,3	16,3	18		
(177) Mindray		16,1	0,38	2,4	28	0	CVPG	15,8	0,24	10%	14,2	17,4	28		
Other					2	0							0		
							2x 12								
(155) **Platelets**	[·10⁹/L]				55								55	54	98
Sample A													55	54	98
All results		226	12	5,2	55	0	CVP	227	2,2	18%	186	268	55		
Sample B													55	54	98
All results		314	17	5,3	55	0	CVP	317	2,8	18%	259	375	55		
(157) **MPV**	[fL]				52								50	50	100
Sample A		11,2	0,39	3,4	52								50	50	100
(63) Sysmex		11,3	0,24	2,1	20	0	CVPG	11	0,075	18%	9,02	13	20		
(177) Mindray		11,2	0,41	3,7	30	0	CVPG	11,2	0,17	18%	9,18	13,3	30		
Other					2	0							0		
							2x 12								
Sample B		12,2	0,45	3,7	52								50	50	100
(63) Sysmex		12,1	0,27	2,2	20	0	CVPG	11,7	0,13	18%	9,59	13,9	20		
(177) Mindray		12,3	0,6	4,8	30	0	CVPG	12,2	0,24	18%	10	14,4	30		
Other					2	0							0		
							2x 12								
(129) **Immature platelet fraction**	[%]				7								7	3	43
Sample A		4,6	2,8	61	7								7	6	86
(177) Mindray		3,5	1,2	34	6	0	CVPG	3,8	1,2	40%	2,28	5,32	6		
Other					1	0							1		
							1x 63								
Sample B		2,64	2,1	81	7								7	3	43
(177) Mindray		1,8	0,89	49	6	0	CVPG	2,5	1,5	40%	1,5	3,5	6		
Other					1	0							1		
							1x 63								
(165) **PDW [fL]**	[fL]				17								17	16	94
Sample A													17	16	94
All results		13,4	0,77	5,7	17	0	CVP	12,8	0,2	15%	10,8	14,8	17		

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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} [%]
Sample B													17	17	100
All results		15,4	0,45	2,9	17	0	CVP	14,6	0,25	15%	12,4	16,8	17		
(166) **PDW [-]**	[-]				22								22	22	100
Sample A													22	22	100
All results		16,5	0,18	1,1	22	0	CVP	16,5	0,088	15%	14	19	22		
Sample B													22	22	100
All results		15,8	0,14	0,85	22	0	CVP	15,8	0,08	15%	13,4	18,2	22		
(160) **Neutrophiles**	[·10^9/L]				44								37	37	100
Sample A		2,73	0,38	14	44								37	37	100
All results (without individual groups)		2,81	0,3	11	37	0	CVP	2,69	0,029	25%	2,01	3,37	37		
(1) Not assessed		1,81	0,65	36	7	0	CVPG	1,81	0,63	25%	1,35	2,27	0		
Sample B		2,15	0,25	12	44								37	37	100
All results (without individual groups)		2,17	0,21	9,6	37	0	CVP	2,2	0,024	25%	1,65	2,75	37		
(1) Not assessed		1,97	1,2	62	7	3	CVPG	1,97	1,2	25%	1,47	2,47	0		
(161) **Lymphocytes**	[·10^9/L]				45								35	35	100
Sample A		1,83	0,35	19	45								35	35	100
All results (without individual groups)		1,83	0,26	14	35	0	CVP	1,94	0,021	25%	1,45	2,43	35		
(1) Not assessed		2,06	1	50	10	0	CVPG	2,06	0,79	25%	1,54	2,58	0		
Sample B		2,84	0,37	13	45								35	35	100
All results (without individual groups)		2,84	0,27	9,4	35	0	CVP	2,92	0,027	25%	2,19	3,65	35		
(1) Not assessed		3,31	1,3	41	10	1	CVPG	3,31	1,7	25%	2,48	4,14	0		
(162) **Monocytes**	[·10^9/L]				44								30	30	100
Sample A		0,225	0,096	43	44								30	30	100
All results (without individual groups)		0,194	0,082	42	30	0	CVP	0,382	0,03	asym.	0	0,573	30		
(1) Not assessed		0,296	0,1	34	14	0	CVPG	0,296	0,067	50%	0,148	0,444	0		
Sample B		0,235	0,22	92	44								30	30	100
All results (without individual groups)		0,109	0,059	54	30	0	CVP	0,255	0,023	asym.	0	0,383	30		
(1) Not assessed		0,528	0,11	21	14	1	CVPG	0,528	0,076	50%	0,264	0,792	0		
(163) **Eosinophils**	[·10^9/L]				44								43	43	100
Sample A		0,037	0,014	37	44								43	43	100
All results (without individual groups)		0,037	0,013	36	43	0	CVP	0,045	0,003	asym.	0	0,151	43		
Other					1	0							0		
							1x 1								
Sample B		0,075	0,017	22	44								43	43	100
All results (without individual groups)		0,074	0,016	22	43	0	CVP	0,084	0,003	asym.	0	0,164	43		
Other					1	0							0		
							1x 1								
(164) **Basophiles**	[·10^9/L]				44								41	41	100
Sample A		0,019	0,013	69	44								41	41	100
All results (without individual groups)		0,018	0,012	66	41	0	CVP	0,022	0,003	asym.	0	0,151	41		
Other					3	0							0		
							3x 1								
Sample B		0,022	0,02	87	44								41	41	100
All results (without individual groups)		0,02	0,018	88	41	0	CVP	0,031	0,004	asym.	0	0,164	41		
Other					3	0							0		
							3x 1								