

EQA round: DIF1/25 - Peripheral Blood Morphology Evaluation

Deadline: 14.3.2025

Setup: Slovakia

RoM = robust average	AV = assigned value	D _{max} = acceptable difference
SD = standard deviation	CVE = consensus of the experts	LL = lower limit
CV = coefficient of variation	U _{AV} = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N _{tot} = total number of the results		N _{eva} = number of the results assessed
N _{out} = number of the results removed before calculation		N _{suc} = number of successful results
SD, CV, U _{AV} , D _{max} we do not report for tests with binomial distribution		S _{rel} = relative success

Sample Test Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability			N _{eva}	N _{suc}	S _{rel} [%]
							AV	U _{AV}	D _{max}			

Sample A

(901) WBC - differential count: Blasts	[-]										16	15	94
All results		0			16	0	CVE	0			0	0,018	16
(902) WBC - differential count: Promyelocytes	[-]										16	16	100
All results		0			16	0	CVE	0			0	0,018	16
(903) WBC - differential count: Neutrophil myelocytes	[-]										16	16	100
All results		0			16	0	CVE	0,001			0	0,018	16
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										16	16	100
All results		0			16	0	CVE	0			0	0,018	16
(905) WBC - differential count: Neutrophil bars	[-]										16	14	88
All results		0,005			16	0	CVE	0,006			0	0,028	16
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										16	16	100
All results		0,598			16	0	CVE	0,584			0,513	0,654	16
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										16	16	100
All results		0			16	0	CVE	0			0	0,018	16
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										16	15	94
All results		0,011			16	0	CVE	0,008			0,001	0,036	16
(909) WBC - differential count: Basophilic granulocytes	[-]										16	13	81
All results		0,01			16	0	CVE	0,01			0,001	0,036	16
(910) WBC - differential count: Monocytes	[-]										16	15	94
All results		0,074			16	0	CVE	0,067			0,035	0,109	16
(911) WBC - differential count: Lymphocytes	[-]										16	15	94
All results		0,294			16	0	CVE	0,321			0,256	0,389	16
(912) WBC - differential count: Plasma cells	[-]										16	16	100
All results		0			16	0	CVE	0			0	0,018	16
(940) Erythroblasts	[in 100 differ. cells]										16	15	94
All results		10,2			16	0	CVE	11			7	16	16

Sample B

(901) WBC - differential count: Blasts	[-]										16	9	56
All results		0,095			16	0	CVE	0,072			0,039	0,115	16
(902) WBC - differential count: Promyelocytes	[-]										16	13	81
All results		0,009			16	0	CVE	0,008			0,001	0,036	16
(903) WBC - differential count: Neutrophil myelocytes	[-]										16	13	81
All results		0,051			16	0	CVE	0,057			0,028	0,096	16
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										16	11	69
All results		0,064			16	0	CVE	0,047			0,021	0,084	16
(905) WBC - differential count: Neutrophil bars	[-]										16	12	75
All results		0,1			16	0	CVE	0,114			0,074	0,168	16
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										16	9	56
All results		0,53			16	0	CVE	0,497			0,424	0,566	16
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										16	6	38
All results		0,002			16	0	CVE	0,013			0,003	0,043	16
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										16	12	75
All results		0,026			16	0	CVE	0,031			0,011	0,064	16

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Sample Test Group	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability					N _{eva}	N _{suc}	S _{rel} [%]
							AV	U _{AV}	D _{max}	LL	UL			
(909) WBC - differential count: Basophilic granulocytes	[-]											16	6	38
All results		0,054			16	0	CVE	0,093		0,058	0,144	16		
(910) WBC - differential count: Monocytes	[-]											16	11	69
All results		0,012			16	0	CVE	0,008		0,001	0,036	16		
(911) WBC - differential count: Lymphocytes	[-]											16	15	94
All results		0,057			16	0	CVE	0,061		0,031	0,102	16		
(912) WBC - differential count: Plasma cells	[-]											16	16	100
All results		0			16	0	CVE	0		0	0,018	16		
(940) Erythroblasts	[in 100 differ. cells]											16	15	94
All results		1,14			16	0	CVE	1		0	4	16		