

EQA round: DIF2/24 - Peripheral Blood Morphology Evaluation

Deadline: 24.5.2024

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}	LL	UL			
Sample A														
(901) WBC - differential count: Blasts	[-]											15	12	80
All results		0,959			15	0	CVE	0,962		0,923	0,983	15		
(902) WBC - differential count: Promyelocytes	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(903) WBC - differential count: Neutrophil myelocytes	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(904) WBC - differential count: Neutrophil metamyelocytes	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(905) WBC - differential count: Neutrophil bars	[-]											15	14	93
All results		0,001			15	0	CVE	0		0	0,018	15		
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]											15	11	73
All results		0,007			15	0	CVE	0,008		0,001	0,036	15		
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]											15	15	100
All results		0,004			15	0	CVE	0,005		0	0,028	15		
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]											15	11	73
All results		0,013			15	0	CVE	0,015		0,003	0,043	15		
(909) WBC - differential count: Basophilic granulocytes	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(910) WBC - differential count: Monocytes	[-]											15	14	93
All results		0,002			15	0	CVE	0,005		0	0,028	15		
(911) WBC - differential count: Lymphocytes	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(912) WBC - differential count: Plasma cells	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(940) Erythroblasts	[in 100 differ. cells]											15	15	100
All results		0,279			15	0	CVE	0		0	2	15		

Sample B														
(901) WBC - differential count: Blasts	[-]											15	11	73
All results		0,011			15	0	CVE	0,011		0,001	0,036	15		
(902) WBC - differential count: Promyelocytes	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(903) WBC - differential count: Neutrophil myelocytes	[-]											15	14	93
All results		0,023			15	0	CVE	0,02		0,005	0,05	15		
(904) WBC - differential count: Neutrophil metamyelocytes	[-]											15	14	93
All results		0,026			15	0	CVE	0,022		0,005	0,05	15		
(905) WBC - differential count: Neutrophil bars	[-]											15	12	80
All results		0,072			15	0	CVE	0,068		0,039	0,115	15		
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]											15	8	53
All results		0,695			15	0	CVE	0,726		0,658	0,786	15		
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]											15	14	93
All results		0,001			15	0	CVE	0		0	0,018	15		
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]											15	13	87
All results		0,015			15	0	CVE	0,016		0,003	0,043	15		

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							AV	U _{AV}	D _{max}	LL	UL			
(909) WBC - differential count: Basophilic granulocytes	[-]											15	13	87
All results		0,016			15	0	CVE	0,02		0,005	0,05	15		
(910) WBC - differential count: Monocytes	[-]											15	12	80
All results		0,043			15	0	CVE	0,04		0,017	0,077	15		
(911) WBC - differential count: Lymphocytes	[-]											15	11	73
All results		0,06			15	0	CVE	0,075		0,043	0,121	15		
(912) WBC - differential count: Plasma cells	[-]											15	15	100
All results		0			15	0	CVE	0		0	0,018	15		
(940) Erythroblasts	[in 100 differ. cells]											15	14	93
All results		2,61			15	0	CVE	2		1	5	15		