

EQA round: DIF4/24 - Peripheral Blood Morphology Evaluation

Deadline: 25.10.2024

Setup: all data

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	[-]										159	145	91
All results		0,072			159	0	CVE 0,068		0,039	0,115	159		
(902) WBC - differential count: Promyelocytes	[-]										159	131	82
All results		0,011			159	0	CVE 0,008		0,001	0,036	159		
(903) WBC - differential count: Neutrophil myelocytes	[-]										159	132	83
All results		0,044			159	0	CVE 0,056		0,028	0,096	159		
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										159	143	90
All results		0,044			159	0	CVE 0,041		0,017	0,077	159		
(905) WBC - differential count: Neutrophil bars	[-]										159	139	87
All results		0,079			159	0	CVE 0,079		0,046	0,127	159		
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										159	120	75
All results		0,308			159	0	CVE 0,344		0,279	0,415	159		
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										159	138	87
All results		0,058			159	0	CVE 0,05		0,024	0,09	159		
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										159	134	84
All results		0,216			159	0	CVE 0,206		0,151	0,268	159		
(909) WBC - differential count: Basophilic granulocytes	[-]										159	152	96
All results		0,02			159	0	CVE 0,02		0,005	0,05	159		
(910) WBC - differential count: Monocytes	[-]										159	137	86
All results		0,086			159	0	CVE 0,093		0,058	0,144	159		
(911) WBC - differential count: Lymphocytes	[-]										159	134	84
All results		0,053			159	0	CVE 0,035		0,014	0,071	159		
(912) WBC - differential count: Plasma cells	[-]										159	159	100
All results		0			159	0	CVE 0		0	0,018	159		
(940) Erythroblasts	[in 100 differ. cells]										159	159	100
All results		0,742			159	0	CVE 1		0	4	159		

Sample B

(901) WBC - differential count: Blasts	[-]										159	158	99
All results		0			159	0	CVE 0		0	0,018	159		
(902) WBC - differential count: Promyelocytes	[-]										159	159	100
All results		0			159	0	CVE 0		0	0,018	159		
(903) WBC - differential count: Neutrophil myelocytes	[-]										159	159	100
All results		0			159	0	CVE 0		0	0,018	159		
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										159	159	100
All results		0			159	0	CVE 0,002		0	0,018	159		
(905) WBC - differential count: Neutrophil bars	[-]										159	135	85
All results		0,028			159	0	CVE 0,021		0,005	0,05	159		
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										159	139	87
All results		0,782			159	0	CVE 0,798		0,738	0,853	159		
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										159	159	100
All results		0			159	0	CVE 0		0	0,018	159		
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										159	159	100
All results		0,006			159	0	CVE 0,005		0	0,028	159		

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							AV	U _{AV}	D _{max}	LL	UL			
(909) WBC - differential count: Basophilic granulocytes														
All results		0,01			159	0	CVE	0,009		0,001	0,036	159		
(910) WBC - differential count: Monocytes														
All results		0,079			159	0	CVE	0,082		0,046	0,127	159		
(911) WBC - differential count: Lymphocytes														
All results		0,09			159	0	CVE	0,078		0,046	0,127	159		
(912) WBC - differential count: Plasma cells														
All results		0			159	0	CVE	0		0	0,018	159		
(940) Erythroblasts														
All results	[in 100 differ. cells]	3,45			159	0	CVE	3		1	6	159	157	99