

EQA round: DIF1/24 - Peripheral Blood Morphology Evaluation

Deadline: 15.3.2024

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	[-]										153	150	98	
All results		0			153	0	CVE	0			0	0,018	153	
(902) WBC - differential count: Promyelocytes	[-]										153	153	100	
All results		0			153	0	CVE	0			0	0,018	153	
(903) WBC - differential count: Neutrophil myelocytes	[-]										153	152	99	
All results		0			153	0	CVE	0			0	0,018	153	
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										153	153	100	
All results		0			153	0	CVE	0			0	0,018	153	
(905) WBC - differential count: Neutrophil bars	[-]										153	148	97	
All results		0,006			153	0	CVE	0,005			0	0,028	153	
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										153	94	61	
All results		0,396			153	2	CVE	0,379			0,312	0,451	153	
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										153	153	100	
All results		0			153	0	CVE	0			0	0,018	153	
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										153	139	91	
All results		0,01			153	1	CVE	0,01			0,001	0,036	153	
(909) WBC - differential count: Basophilic granulocytes	[-]										153	139	91	
All results		0,012			153	1	CVE	0,017			0,003	0,043	153	
(910) WBC - differential count: Monocytes	[-]										153	133	87	
All results		0,107			153	2	CVE	0,109			0,07	0,162	153	
(911) WBC - differential count: Lymphocytes	[-]										153	99	65	
All results		0,46			153	2	CVE	0,478			0,409	0,552	153	
(912) WBC - differential count: Plasma cells	[-]										153	152	99	
All results		0			153	0	CVE	0			0	0,018	153	
(940) Erythroblasts	[in 100 differ. cells]										153	153	100	
All results		0			153	0	CVE	0			0	2	153	

Sample B

(901) WBC - differential count: Blasts	[-]										153	152	99	
All results		0			153	0	CVE	0			0	0,018	153	
(902) WBC - differential count: Promyelocytes	[-]										153	153	100	
All results		0			153	0	CVE	0			0	0,018	153	
(903) WBC - differential count: Neutrophil myelocytes	[-]										153	153	100	
All results		0			153	0	CVE	0			0	0,018	153	
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										153	153	100	
All results		0			153	0	CVE	0			0	0,018	153	
(905) WBC - differential count: Neutrophil bars	[-]										153	148	97	
All results		0,005			153	0	CVE	0,006			0	0,028	153	
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										153	128	84	
All results		0,674			153	2	CVE	0,644			0,574	0,711	153	
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										153	153	100	
All results		0			153	0	CVE	0			0	0,018	153	
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										153	128	84	
All results		0,009			153	0	CVE	0,009			0,001	0,036	153	

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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	[-]											153	119	78
All results		0,006			153	0	CVE	0,008		0,001	0,036	153		
(910) WBC - differential count: Monocytes	[-]											153	134	88
All results		0,052			153	2	CVE	0,062		0,031	0,102	153		
(911) WBC - differential count: Lymphocytes	[-]											153	131	86
All results		0,252			153	2	CVE	0,274		0,214	0,342	153		
(912) WBC - differential count: Plasma cells	[-]											153	153	100
All results		0			153	0	CVE	0		0	0,018	153		
(940) Erythroblasts	[in 100 differ. cells]											153	153	100
All results		0			153	0	CVE	0		0	2	153		