

EQA round: DIF4/23 - Peripheral Blood Morphology Evaluation

Deadline: 27.10.2023

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
Sample A													
(901) WBC - differential count: Blasts	[-]										20	20	100
All results		0,001			20	0	CVE	0,006			0	0,028	20
(902) WBC - differential count:	[-]										20	19	95
Promyelocytes													
All results		0,005			20	0	CVE	0,002			0	0,018	20
(903) WBC - differential count: Neutrophil myelocytes	[-]										20	15	75
All results		0,019			20	0	CVE	0,024			0,008	0,057	20
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										20	17	85
All results		0,027			20	0	CVE	0,024			0,008	0,057	20
(905) WBC - differential count: Neutrophil bars	[-]										20	18	90
All results		0,036			20	0	CVE	0,042			0,017	0,077	20
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										20	19	95
All results		0,716			20	0	CVE	0,746			0,679	0,804	20
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										20	20	100
All results		0			20	0	CVE	0			0	0,018	20
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										20	20	100
All results		0,011			20	0	CVE	0,01			0,001	0,036	20
(909) WBC - differential count: Basophilic granulocytes	[-]										20	18	90
All results		0,023			20	0	CVE	0,027			0,008	0,057	20
(910) WBC - differential count: Monocytes	[-]										20	14	70
All results		0,037			20	0	CVE	0,021			0,005	0,05	20
(911) WBC - differential count: Lymphocytes	[-]										20	18	90
All results		0,115			20	0	CVE	0,097			0,058	0,144	20
(912) WBC - differential count: Plasma cells	[-]										20	20	100
All results		0			20	0	CVE	0			0	0,018	20
(940) Erythroblasts	[in 100 differ. cells]										20	20	100
All results		0,975			20	0	CVE	1			0	4	20
Sample B													
(901) WBC - differential count: Blasts	[-]										20	20	100
All results		0			20	0	CVE	0			0	0,018	20
(902) WBC - differential count:	[-]										20	20	100
Promyelocytes													
All results		0			20	0	CVE	0			0	0,018	20
(903) WBC - differential count: Neutrophil myelocytes	[-]										20	20	100
All results		0			20	0	CVE	0			0	0,018	20
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										20	20	100
All results		0			20	0	CVE	0			0	0,018	20
(905) WBC - differential count: Neutrophil bars	[-]										20	20	100
All results		0,006			20	0	CVE	0,004			0	0,028	20
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										20	19	95
All results		0,565			20	0	CVE	0,558			0,488	0,63	20
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										20	20	100
All results		0			20	0	CVE	0			0	0,018	20
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										20	20	100
All results		0,018			20	0	CVE	0,018			0,005	0,05	20

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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	[-]				20	0	CVE	0,009		0,001	0,036	20	18	90
(910) WBC - differential count: Monocytes	[-]	0,009			20	0	CVE					20	18	90
(911) WBC - differential count: Lymphocytes	[-]	0,038			20	0	CVE	0,04		0,017	0,077	20	18	90
(912) WBC - differential count: Plasma cells	[-]	0,364			20	0	CVE	0,373		0,308	0,446	20	20	100
(940) Erythroblasts	[in 100 differ. cells]	0			20	0	CVE	0		0	0,018	20	20	100
All results		0			20	0	CVE	0		0	2	20		