

EQA round: DIF3/24 - Peripheral Blood Morphology Evaluation

Deadline: 13.9.2024

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}			

Sample A

(901) WBC - differential count: Blasts	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(902) WBC - differential count: Promyelocytes	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(903) WBC - differential count: Neutrophil myelocytes	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(905) WBC - differential count: Neutrophil bars	[-]										18	9	50
All results		0,009			18	0	CVE	0,01			0,001	0,036	18
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										18	16	89
All results		0,374			18	0	CVE	0,401			0,332	0,471	18
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										18	16	89
All results		0,012			18	0	CVE	0,014			0,003	0,043	18
(909) WBC - differential count: Basophilic granulocytes	[-]										18	18	100
All results		0,002			18	0	CVE	0,006			0	0,028	18
(910) WBC - differential count: Monocytes	[-]										18	13	72
All results		0,036			18	0	CVE	0,022			0,005	0,05	18
(911) WBC - differential count: Lymphocytes	[-]										18	14	78
All results		0,558			18	0	CVE	0,547			0,473	0,615	18
(912) WBC - differential count: Plasma cells	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(940) Erythroblasts	[in 100 differ. cells]										18	18	100
All results		0			18	0	CVE	0			0	2	18

Sample B

(901) WBC - differential count: Blasts	[-]										18	17	94
All results		0,001			18	0	CVE	0			0	0,018	18
(902) WBC - differential count: Promyelocytes	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(903) WBC - differential count: Neutrophil myelocytes	[-]										18	6	33
All results		0,002			18	0	CVE	0,01			0,001	0,036	18
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										18	10	56
All results		0,007			18	0	CVE	0,009			0,001	0,036	18
(905) WBC - differential count: Neutrophil bars	[-]										18	8	44
All results		0,005			18	0	CVE	0,009			0,001	0,036	18
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										18	16	89
All results		0,831			18	0	CVE	0,847			0,787	0,892	18
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										18	18	100
All results		0			18	0	CVE	0			0	0,018	18
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										18	17	94
All results		0,006			18	0	CVE	0,003			0	0,028	18

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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	[-]											18	18	100
All results		0			18	0	CVE	0		0	0,018	18		
(910) WBC - differential count: Monocytes	[-]											18	16	89
All results		0,037			18	0	CVE	0,037		0,014	0,071	18		
(911) WBC - differential count: Lymphocytes	[-]											18	14	78
All results		0,098			18	0	CVE	0,081		0,046	0,127	18		
(912) WBC - differential count: Plasma cells	[-]											18	18	100
All results		0			18	0	CVE	0		0	0,018	18		
(940) Erythroblasts	[in 100 differ. cells]											18	18	100
All results		0			18	0	CVE	0		0	2	18		