

EQA round: DIF2/26 - Peripheral Blood Morphology Evaluation

Deadline: 22.5.2026

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	[-]										150	113	75
All results		0,271			150	0	CVE 0,285		0,224	0,353	150		
(902) WBC - differential count: Promyelocytes	[-]										150	75	50
All results		0,009			150	0	CVE 0,016		0,003	0,043	150		
(903) WBC - differential count: Neutrophil myelocytes	[-]										150	99	66
All results		0,036			150	0	CVE 0,035		0,014	0,071	150		
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										150	122	81
All results		0,017			150	0	CVE 0,02		0,005	0,05	150		
(905) WBC - differential count: Neutrophil bars	[-]										150	132	88
All results		0,033			150	0	CVE 0,028		0,011	0,064	150		
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										150	126	84
All results		0,176			150	0	CVE 0,185		0,134	0,246	150		
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										150	145	97
All results		0			150	0	CVE 0		0	0,018	150		
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										150	149	99
All results		0,003			150	0	CVE 0,005		0	0,028	150		
(909) WBC - differential count: Basophilic granulocytes	[-]										150	148	99
All results		0,003			150	0	CVE 0,007		0	0,028	150		
(910) WBC - differential count: Monocytes	[-]										150	96	64
All results		0,228			150	0	CVE 0,222		0,165	0,284	150		
(911) WBC - differential count: Lymphocytes	[-]										150	118	79
All results		0,207			150	0	CVE 0,199		0,147	0,262	150		
(912) WBC - differential count: Plasma cells	[-]										150	150	100
All results		0			150	0	CVE 0		0	0,018	150		
(940) Erythroblasts	[in 100 differ. cells]										150	142	95
All results		1,81			150	0	CVE 2		1	5	150		

Sample B

(901) WBC - differential count: Blasts	[-]										150	138	92
All results		0,028			150	0	CVE 0,023		0,008	0,057	150		
(902) WBC - differential count: Promyelocytes	[-]										150	144	96
All results		0,006			150	0	CVE 0,005		0	0,028	150		
(903) WBC - differential count: Neutrophil myelocytes	[-]										150	128	85
All results		0,066			150	0	CVE 0,068		0,039	0,115	150		
(904) WBC - differential count: Neutrophil metamyelocytes	[-]										150	127	85
All results		0,065			150	0	CVE 0,066		0,035	0,109	150		
(905) WBC - differential count: Neutrophil bars	[-]										150	133	89
All results		0,13			150	0	CVE 0,118		0,078	0,173	150		
(906) WBC - differential count: Segmented neutrophil granulocytes	[-]										150	128	85
All results		0,486			150	0	CVE 0,505		0,434	0,576	150		
(907) WBC - differential count: Eosinophil granulocytes - immature forms	[-]										150	150	100
All results		0			150	0	CVE 0		0	0,018	150		
(908) WBC - differential count: Eosinophil segmented granulocytes	[-]										150	150	100
All results		0,001			150	0	CVE 0,003		0	0,028	150		

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							AV	U _{AV}	D _{max}	LL	UL			
(909) WBC - differential count: Basophilic granulocytes	[-]											150	144	96
All results		0,024			150	0	CVE	0,024		0,008	0,057	150		
(910) WBC - differential count: Monocytes	[-]											150	142	95
All results		0,071			150	0	CVE	0,068		0,039	0,115	150		
(911) WBC - differential count: Lymphocytes	[-]											150	130	87
All results		0,116			150	0	CVE	0,113		0,074	0,168	150		
(912) WBC - differential count: Plasma cells	[-]											150	149	99
All results		0			150	0	CVE	0,001		0	0,018	150		
(940) Erythroblasts	[in 100 differ. cells]											150	143	95
All results		9,7			150	0	CVE	9		5	14	150		