

## EQA round: DIF1/23 - Peripheral Blood Morphology Evaluation

Deadline: 17.3.2023

Setup: all data

RoM = robust average	AV = assigned value	D <sub>max</sub> = acceptable difference
SD = standard deviation	CVE = consensus of the experts	LL = lower limit
CV = coefficient of variation	U <sub>AV</sub> = expanded uncertainty of the assigned value (k = 2)	UL = upper limit
N <sub>tot</sub> = total number of the results		N <sub>eva</sub> = number of the results assessed
N <sub>out</sub> = number of the results removed before calculation		N <sub>suc</sub> = number of successful results
SD, CV, U <sub>AV</sub> , D <sub>max</sub> we do not report for tests with binomial distribution.		S <sub>rel</sub> = relative success

Sample Test Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability			N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]		
							AV	U <sub>AV</sub>	D <sub>max</sub>				LL	UL
<b>Sample A</b>														
(901) WBC - differential count:	[-]										144	109	76	
<b>Blasts</b>														
All results		0,005			144	0	CVE	0		0	0,018	144		
(902) WBC - differential count:	[-]										144	144	100	
<b>Promyelocytes</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(903) WBC - differential count:	[-]										144	144	100	
<b>Neutrophil myelocytes</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(904) WBC - differential count:	[-]										144	144	100	
<b>Neutrophil metamyelocytes</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(905) WBC - differential count:	[-]										144	143	99	
<b>Neutrophil bars</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(906) WBC - differential count:	[-]										144	133	92	
<b>Segmented neutrophil granulocytes</b>														
All results		0,032			144	0	CVE	0,026		0,008	0,057	144		
(907) WBC - differential count:	[-]										144	143	99	
<b>Eosinophil granulocytes - immature forms</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(908) WBC - differential count:	[-]										144	144	100	
<b>Eosinophil segmented granulocytes</b>														
All results		0,005			144	0	CVE	0,005		0	0,028	144		
(909) WBC - differential count:	[-]										144	144	100	
<b>Basophilic granulocytes</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(910) WBC - differential count:	[-]										144	142	99	
<b>Monocytes</b>														
All results		0,009			144	0	CVE	0,006		0	0,028	144		
(911) WBC - differential count:	[-]										144	104	72	
<b>Lymphocytes</b>														
All results		0,942			144	1	CVE	0,964		0,923	0,983	144		
(912) WBC - differential count:	[-]										144	144	100	
<b>Plasma cells</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(940) Erythroblasts	[in 100 differ. cells]										144	144	100	
All results		0			144	0	CVE	0		0	2	144		
<b>Sample B</b>														
(901) WBC - differential count:	[-]										144	98	68	
<b>Blasts</b>														
All results		0,598			144	0	CVE	0,61		0,539	0,678	144		
(902) WBC - differential count:	[-]										144	127	88	
<b>Promyelocytes</b>														
All results		0,001			144	0	CVE	0,002		0	0,018	144		
(903) WBC - differential count:	[-]										144	132	92	
<b>Neutrophil myelocytes</b>														
All results		0,005			144	0	CVE	0,006		0	0,028	144		
(904) WBC - differential count:	[-]										144	142	99	
<b>Neutrophil metamyelocytes</b>														
All results		0,004			144	0	CVE	0,007		0	0,028	144		
(905) WBC - differential count:	[-]										144	130	90	
<b>Neutrophil bars</b>														
All results		0,015			144	0	CVE	0,015		0,003	0,043	144		
(906) WBC - differential count:	[-]										144	139	97	
<b>Segmented neutrophil granulocytes</b>														
All results		0,063			144	0	CVE	0,063		0,031	0,102	144		

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Sample Test Group	[unit]	RoM	SD	CV [%]	N <sub>tot</sub>	N <sub>out</sub>	Comparability					N <sub>eva</sub>	N <sub>suc</sub>	S <sub>rel</sub> [%]
							AV	U <sub>AV</sub>	D <sub>max</sub>	LL	UL			
(907) WBC - differential count:	[-]											144	143	99
<b>Eosinophil granulocytes - immature forms</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(908) WBC - differential count:	[-]											144	142	99
<b>Eosinophil segmented granulocytes</b>														
All results		0,008			144	0	CVE	0,008		0	0,028	144		
(909) WBC - differential count:	[-]											144	142	99
<b>Basophilic granulocytes</b>														
All results		0,001			144	0	CVE	0,003		0	0,018	144		
(910) WBC - differential count:	[-]											144	93	65
<b>Monocytes</b>														
All results		0,02			144	0	CVE	0,021		0,005	0,05	144		
(911) WBC - differential count:	[-]											144	124	86
<b>Lymphocytes</b>														
All results		0,259			144	0	CVE	0,265		0,205	0,332	144		
(912) WBC - differential count:	[-]											144	143	99
<b>Plasma cells</b>														
All results		0			144	0	CVE	0		0	0,018	144		
(940) Erythroblasts	[in 100 differ. cells]											144	143	99
All results		0,582			144	0	CVE	1		0	4	144		