

Setup: all data

AV = assigned value

CVE = consensus of the experts

>>> ... expected result

> ... acceptable result

± ... result not assessed

N_{tot} = total number of the resultsN_{rel} = relative number of the resultsN_{eva} = number of the results assessedN_{suc} = number of successful resultsS_{rel} = relative success

Sample Test Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]

Photo 1**(821) Object no. 1: type of cell**

All results			2	3,5	Promyelocyte			
	CVE	>>>	55	96	Bare nuclei, smudge cell			

(822) Object no. 1: morphology

All results	CVE	>>>	46	81	Not specified			
		>	9	16	No changes			
			2	3,5	Auer rods			
			1	1,8	Leukemic promyelocyte			

(823) Object no. 2: type of cell

All results	CVE	>>>	57	100	Bare nuclei, smudge cell			
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(824) Object no. 2: morphology

All results	CVE	>>>	46	81	Not specified			
		>	10	18	No changes			
			1	1,8	Leukemic promyelocyte			

(825) Object no. 3: type of cell

All results			1	1,8	Monocyte			
	CVE	>>>	56	98	Lymphocyte			

(826) Object no. 3: morphology

All results			3	5,3	No changes			
			1	1,8	Lymphocytes - atypical forms			
	CVE	>>>	43	75	LGL/big lymphocytes			
		>	9	16	Lymphocytes - reactive forms			
			1	1,8	Vacuolisation			

(827) Object no. 4: type of cell

All results	CVE	>>>	57	100	Lymphocyte			
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(828) Object no. 4: morphology

All results			17	30	No changes			
	CVE	>>>	35	61	Lymphocytes - atypical forms			
			1	1,8	Atypical/reactive monocytes			
			1	1,8	LGL/big lymphocytes			
			3	5,3	Lymphocytes - reactive forms			

(841) RBC - morphology

All results	CVE	>>>	33	58	Anisocytosis			
			1	1,8	Microcytosis			
		>	13	23	Macrocytosis			
			2	3,5	Normocytosis			
			5	8,8	Poikilocytosis			
			6	11	Anisochromia			
			3	5,3	Polychromasia			
		>	18	32	Dacryocytes			
			1	1,8	Drepanocytes			
			2	3,5	Eliptocytes			
	CVE	>>>	39	68	Ovalocytes			
	CVE	>>>	32	56	Spherocytes			
		>	15	26	Schistocytes (and other fragmentocytes)			
			1	1,8	Howell-Jolly bodies			

(842) Platelets - morphology

All results		>	6	11	No changes			
	CVE	>>>	47	82	Anisocytosis			
			2	3,5	Platelets hypo-/agranulation			
			10	18	Large platelets			

(835) Overall assessment (score)

			57			57	50	88
Maximum score achievable:	60 points	Criterion (60 % out of the maximum):	36 points					
Minimum score achieved:	19 points (31,7 %)							
Maximum score achieved:	60 points (100 %)							

All results			7	12	Unacceptable result			
		>>>	50	88	Satisfactory result			

Setup: all data

Sample Test Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]

Photo 2**(821) Object no. 1: type of cell**

All results CVE >>> 57 100 Lymphocyte

(822) Object no. 1: morphology

All results

		2	3,5	No changes
CVE >>>	34	60		Lymphocytes - atypical forms
	7	12		Lymphocytes - reactive forms
>	15	26		"Hairy" lymphocytes

(823) Object no. 2: type of cell

All results CVE >>> 57 100 Lymphocyte

(824) Object no. 2: morphology

All results

CVE >>>	26	46		Lymphocytes - atypical forms
	3	5,3		Lymphocytes - reactive forms
>	29	51		"Hairy" lymphocytes

(825) Object no. 3: type of cell

All results CVE >>> 57 100 Neutrophil segment

(826) Object no. 3: morphology

All results

CVE >>>	37	65		No changes
	4	7		Hyposegmentation or pseudo Pelger anomaly
	17	30		Hypergranulation/toxic granulation
	1	1,8		Hypersegmented granulocytes
	1	1,8		Vacuolisation
	1	1,8		Granules (pseudo) Chediak-Higashi

(841) RBC - morphology

All results

>	24	42		Anisocytosis
	3	5,3		Macrocytosis
	1	1,8		Normocytosis
	4	7		Poikilocytosis
	1	1,8		Anisochromia
	1	1,8		Hypochromia
	1	1,8		Polychromasia
	1	1,8		Acanthocytes
>	41	72		Dacryocytes
CVE >>>	55	96		Echinocytes
	8	14		Eliptocytes
CVE >>>	56	98		Ovalocytes
>	19	33		Spherocytes
CVE >>>	14	25		Schistocytes (and other fragmentocytes)
>	26	46		Stomatocytes
	9	16		Howell-Jolly bodies
>	11	19		Pappenheimer bodies

(842) Platelets - morphology

All results

	1	1,8		Not specified
CVE >>>	55	96		No changes
	2	3,5		Small platelets

(835) Overall assessment (score)

	57			57	49	86
Maximum score achievable: 50 points		Criterion (60 % out of the maximum): 30 points				
Minimum score achieved: 20 points (40 %)						
Maximum score achieved: 50 points (100 %)						
All results	8	14		Unacceptable result		
	>>>	49	86	Satisfactory result		

Photo 3**(821) Object no. 1: type of cell**

All results

	1	1,8		Neutrophil metamyelocyte
	1	1,8		Neutrophil segment
	1	1,8		Monocyte
CVE >>>	54	95		Lymphocyte

(822) Object no. 1: morphology

All results

	1	1,8		Not specified
	1	1,8		No changes
	2	3,5		Lymphocytes - atypical forms
	1	1,8		Atypical/reactive monocytes
CVE >>>	51	89		Lymphocytes - reactive forms
	3	5,3		Vacuolisation

(823) Object no. 2: type of cell

All results CVE >>> 56 98 Neutrophil segment

Setup: all data

Sample Test Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
		1	1,8	Monocyte			
(824) Object no. 2: morphology							
All results		1	1,8	Not specified			
	CVE >>>	40	70	No changes			
		14	25	Hypergranulation/toxic granulation			
		3	5,3	Hypersegmented granulocytes			
(841) RBC - morphology							
All results	>	21	37	Anisocytosis			
		1	1,8	Macrocytosis			
		1	1,8	Normocytosis			
		6	11	Poikilocytosis			
		1	1,8	Anisochromia			
		2	3,5	Polychromasia			
		3	5,3	Acanthocytes			
	CVE >>>	41	72	Dacryocytes			
		1	1,8	Drepanocytes			
		11	19	Echinocytes			
		1	1,8	Eliptocytes			
	>	22	39	Ovalocytes			
	>	17	30	Knizocytes			
	>	37	65	Spherocytes			
	CVE >>>	17	30	Schistocytes (and other fragmentocytes)			
	>	23	40	Stomatocytes			
	CVE >>>	54	95	Target cells			
		1	1,8	Basophilic stippling			
	CVE >>>	53	93	Howell-Jolly bodies			
	CVE >>>	32	56	Pappenheimer bodies			
		1	1,8	Rouleaux formation			
(842) Platelets - morphology							
All results		10	18	No changes			
	CVE >>>	46	81	Anisocytosis			
		2	3,5	Large platelets			
(835) Overall assessment (score)							
		57			57	49	86
Maximum score achievable: 50 points		Criterion (60 % out of the maximum): 30 points					
Minimum score achieved: -2 points (-4 %)							
Maximum score achieved: 50 points (100 %)							
All results		8	14	Unacceptable result			
	>>>	49	86	Satisfactory result			
Photo 4							
(821) Object no. 1: type of cell							
All results		1	1,8	Neutrophil bar			
	CVE >>>	54	95	Neutrophil segment			
		2	3,5	Eosinophil segment			
(822) Object no. 1: morphology							
All results		9	16	No changes			
	CVE >>>	44	77	Hypogranulation/agranulation			
		2	3,5	Hyposegmentation or pseudo Pelger anomaly			
	>	13	23	Vacuolisation			
		1	1,8	Nucleocytoplasmatic asynchrony			
(823) Object no. 2: type of cell							
All results		8	14	Neutrophil metamyelocyte			
	CVE >>>	37	65	Neutrophil bar			
		10	18	Neutrophil segment			
		1	1,8	Eosinophil - immature form			
		1	1,8	Eosinophil segment			
(824) Object no. 2: morphology							
All results		1	1,8	Not specified			
		4	7	No changes			
	CVE >>>	48	84	Hypogranulation/agranulation			
	>	13	23	Hyposegmentation or pseudo Pelger anomaly			
		1	1,8	Vacuolisation			
(825) Object no. 3: type of cell							
All results		1	1,8	Blast			
	CVE >>>	56	98	Lymphocyte			
(826) Object no. 3: morphology							
All results		1	1,8	Not specified			

Setup: all data

Sample Test Group	AV	N _{tot}	Frequency of the results		Success		
			N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
		14	25	No changes			
	CVE >>>	39	68	Lymphocytes - atypical forms			
		1	1,8	LGL/big lymphocytes			
		2	3,5	Lymphocytes - reactive forms			
(827) Object no. 4: type of cell							
All results		7	12	Blast			
		1	1,8	Neutrophil myelocyte			
		2	3,5	Monocyte			
	CVE >>>	47	82	Lymphocyte			
(828) Object no. 4: morphology							
All results		5	8,8	Not specified			
		6	11	No changes			
	CVE >>>	37	65	Lymphocytes - atypical forms			
		4	7	LGL/big lymphocytes			
		5	8,8	Lymphocytes - reactive forms			
		1	1,8	Nucleocytoplasmatic asynchrony			
(841) RBC - morphology							
All results	>	24	42	Anisocytosis			
		4	7	Microcytosis			
		1	1,8	Macrocytosis			
		1	1,8	Poikilocytosis			
		3	5,3	Anisochromia			
	CVE >>>	23	40	Hypochromia			
	CVE >>>	39	68	Dacryocytes			
		5	8,8	Eliptocytes			
	CVE >>>	55	96	Ovalocytes			
		1	1,8	Knizocytes			
	>	29	51	Spherocytes			
	CVE >>>	41	72	Schistocytes (and other fragmentocytes)			
	CVE >>>	56	98	Stomatocytes			
		1	1,8	Target cells			
		1	1,8	Basophilic stippling			
		2	3,5	Howell-Jolly bodies			
		5	8,8	Pappenheimer bodies			
		3	5,3	RBC agglutination			
	>	22	39	Rouleaux formation			
(842) Platelets - morphology							
All results		9	16	No changes			
	CVE >>>	31	54	Anisocytosis			
	CVE >>>	41	72	Platelets hypo-/agranulation			
		1	1,8	Large platelets			
		1	1,8	Small platelets			
(835) Overall assessment (score)							
		57			57	50	88
		Maximum score achievable: 75 points		Criterion (60 % out of the maximum): 45 points			
		Minimum score achieved: 12 points (16 %)					
		Maximum score achieved: 75 points (100 %)					
All results		7	12	Unacceptable result			
	>>>	50	88	Satisfactory result			

Summary for all samples

(835) Overall assessment (score)	57	57	49	86
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