

Examination results

Order date: 02/08/2021 Order No: 26155466
 Patient: **Kjemali Albana**
 Date of birth: 13/11/2014 Контракт: Вівере Київ
 Age: 6 Y 8 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004270073**

High attention zone

Parameter	Result	Unit	Reference range
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Bio/immunochemistry

Homocysteine	7.1	μmol/L	Children (up to 15 years): up to 10.0 Adults: 15 - 65 years: up to 15.0 over 65 years: up to 20.0 Pregnancy: up to 10.0 For Folate supplemented: Children (up to 15 years): up to 8.0 Adults: 15 - 65 years: up to 12.0 over 65 years: up to 16.0 Pregnancy: up to 8.0
Antistreptolysin-O (ASL-O)	< 20	IU/mL	Children: up to 150.0 Adults: up to 200.0
Lactate dehydrogenase (LDH)	201	U/L	Children: 4-20 days: 225.0 - 600.0 20 days- 2 years: up to 430.0 2 years-15 years: 120.0 - 300.0 Women: 135.0 - 214.0 Men: 135.0 - 225.0
Bicarbonate	20.6	mmol/L	22.0 - 29.0

Immunology-ELISA

Glutamic acid decarboxylase (GADA), IgG antibodies	< 5	IU/mL	<10.0 - negative result ≥10.0 - positive result Method: Enzyme-linked immunosorbent assay (ELISA) Reagents: Euroimmun (Germany) Analyzer: EUROIMMUN Analyzer I (Germany)
ANA-profile (BlotAnalysis)			
Ribonucleoproteins/Sm-polypeptides (RNP/Sm), IgG antibodies	negative		negative
Smith-Antigen antibodies, IgG antibodies	negative		negative
Ribonucleoproteins (RNP 70, -A, -C), IgG antibodies	borderline		negative
Nuclear ribonucleoproteins (SS-A), IgG antibodies	negative		negative
Ring-dependent E3 ligase (Ro-52), IgG antibody	negative		negative
Nuclear ribonucleoproteins (SS-B), IgG antibodies	negative		negative
Topoisomerase I (Scl-70), IgG antibodies	negative		negative
Complex PM-Scl, IgG antibody (marker scleroderma)	negative		negative
Histidyl-tRNA synthetase (Jo-1), IgG antibody	negative		negative

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Only doctor can interpret results and make a diagnosis.

Samples processing and results' issuing is performed using laboratory information system SILAB

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ANA-profile (BlotAnalysis)			
Centromere B (CEN pB), IgG antibody	negative	negative	
Proliferating cell nuclear antigen (PCNA), IgG antibody	negative	negative	
DsDNA, IgG antibody	negative	negative	
Nucleosomes, IgG antibody	negative	negative	
Histones, IgG antibody	negative	negative	
Ribosomal P-protein, IgG antibody	negative	negative	
Antimitochondrial antibody (AMA-M2)	negative	negative	
Myositis profile (BlotAnalysis)			
Mi-2, IgG antibody (marker of idiopathic myositis)	borderline	negative	
Ku, IgG antibody (mixed marker polymyositis-scleroderma)	negative	negative	
Complex PM-Scl, IgG antibody (marker scleroderma)	negative	negative	
Histidyl-tRNA synthetase (Jo-1), IgG antibody	negative	negative	
Treonil-tRNA Sintetase (PL-7), IgG antibodies	borderline	negative	
Alanine-tRNA synthetase (PL-12), IgG antibody	negative	negative	
Ring-dependent E3 ligase (Ro-52), IgG antibody	borderline	negative	
Neuronal profile, IgG antibodies (BlotAnalysis)			
Protein of synaptic vesicle (ampifizine), IgG antibodies	negative	negative	
Cytoplasm of oligodendrocytes (CV2), IgG antibodies	negative	negative	
Paraneoplastic PNMA2 antigen (Ma2/Ta), IgG antibodies	negative	negative	
Nuclei of neurons in the CNS (Ri/ANNA-2), IgG antibodies	negative	negative	
Cytoplasm of Purkinje cells of the cerebellum (Yo/PCA-1), IgG	negative	negative	
CNS and PNS neuron nuclei (Hu / ANNA-1), IgG antibodies	negative	negative	
Retinal photoreceptors (recoverin), IgG antibodies	borderline	negative	

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Neuronal profile, IgG antibodies (BlotAnalysis)

Bergman glial cell nuclei in Purkinje layer (SOX1), IgG	negative	negative
Striped muscle protein (titin), IgG antibodies	negative	negative

Package # 190 (PCR. Genetics. Folate cycle)

PCR. Folate cycle. MTR (2756 A>G)

B12-dependent methionine synthase	Mutation is not detected	Absence of mutation - norm Heterozygous carrier - risk Homozygous carrier - risk
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PCR. Folate cycle. MTHFR (1298 A>C)

Metilentetrahydrofolatreductase	Mutation is detected	Absence of mutation - norm Heterozygous carrier - risk Homozygous carrier - risk
<i>Homozygous carrier</i>		

PCR. Folate cycle. MTHFR (677 C>T)

Metilentetrahydrofolatreductase	Mutation is not detected	Absence of mutation - norm Heterozygous carrier - risk Homozygous carrier - risk
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PCR. Folate cycle. MTRR (66 A>G)

Methionine-synthase reductase	Mutation is detected	Absence of mutation - norm Heterozygous carrier - risk Homozygous carrier - risk
<i>Heterozygous carrier</i>		

Package # 30.1 (Complex immunological research)

Immunoglobulin A (IgA, serum)	1.91	g/L	Children: 0-1 year: up to 0.83 1-3 years: 0.20 - 1.00 4-6 years: 0.27 - 1.95 7-9 years: 0.34 - 3.05 10-11 years: 0.53 - 2.04 12-13 years: 0.58 - 3.58 14-15 years: 0.47 - 2.49 16-19 years: 0.61 - 3.48 Adults: 0.70 - 4.00
Immunoglobulin M (IgM, serum)	0.85	g/L	Children: 0-1 year: up to 1.45 1-3 years: 0.19 - 1.46 4-6 years: 0.24 - 2.10 7-9 years: 0.31 - 2.08 10-11 years: 0.31 - 1.79 12-13 years: 0.35 - 2.39 14-15 years: 0.15 - 1.88 16-19 years: 0.23 - 2.59 Adults: 0.40 - 2.30

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Immunoglobulin G (IgG, serum)	8.79	g/L	Adults: 7.00 - 16.00
Immunoglobulin E (IgE total, serum)	19.2	IU/mL	Children: Newborns: up to 1.5 up to 1 year: up to 15.0 1-5 years: up to 60.0 6-9 years: up to 90.0 10-15 years: up to 200.0 Adults: up to 100.0 Method: Electrochemiluminescence Immunoassay (ECLIA) Reagents: Roche Diagnostics (Switzerland) Analyzer: Cobas 8000/Cobas Pro/Cobas 6000/Cobas e411 (Switzerland) 6000/Cobas e411 (Switzerland)
Complement (C3C component)	0.94	g/L	0.9 - 1.8
Complement (C4 component)	0.16	g/L	0.1 - 0.4
Score lymphocyte subsets in blood			

Your result is ready. Its interpretation is available in additional file. Interpretation of this type of immunological studies and further diagnosis is made only by physician-specialist.

Functional activity of immune cells/CIC

Your result is ready. Its interpretation is available in additional file. Interpretation of this type of immunological studies and further diagnosis is made only by physician-specialist.

Clinical analysis of blood (automated with WBC differential)

Erythrocyte sedimentation rate (ESR)	2	mm/h	Normative values (Westergren's method): Children up to 17 years: up to 10.0 Men (17 - 50 years): up to 15.0 Men (over 50 years): up to 20.0 Women (17 - 50 years): up to 20.0 Women (over 50 years): up to 30.0 It is executed by Alifax Test-1 analyzer
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Complete blood count (CBC)

Methods/Laboratory equipment:

Complete blood count 6-DIFF with differentiation of leukocyte formula into 6 subpopulations of leukocytes (Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Immature granulocytes) by Fluorescent Flow Cytometry technology on analyzers XN-2000/XN-1500/XN-1000/XN-550/XN-350/XN-330 (Sysmex, Japan). Intelligent wedge-shaped method of preparation and staining of blood smear on Sysmex SP-10 analyzers (Sysmex, Japan). Automated system of digital visualization and morphological analysis of blood cells on Sysmex DM-96 analyzers (Sysmex, Japan).

White blood cells (WBC)	10.03	10 ⁹ cell/L	Children: up to 1 year: 6.5-12.5 1-3 years: 5.0-12.0 3-6 years: 4.5-10.0 6-16 years: 4.3-9.5 Adults: 4.0-9.0
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Parameter	Result	Unit	Reference range
Complete blood count (CBC)			
Red blood cells (RBC)	4.9	10 ¹² cell/L	Children: up to 1 year: 3.3-4.9 1-6 years: 3.5-4.5 6-12 years: 3.5-4.7 12-16 years: 3.6-5.1 Adults: Men: 4.0-5.0 Women: 3.7-4.7 Hydrodynamic focusing with impedance method (direct determination method)
Hemoglobin (HGB)	131	g/L	Children: up to 1 year: 100-140 1-6 years: 110-145 6-16 years: 115-150 Adults: Men: 130-160 Women: 120-140 Cyanide-free SLS method
Hematocrit (HCT)	38.7	%	Children: up to 1 year: 32-49 1-16 years: 32-45 Adults: 35-54 Direct determination by conductometric method
Mean Corpuscular Volume (MCV)	79	fl	Children: up to 1 year: 77-100 1-16 years: 78-98 Adults: 76-96
Mean Corpuscular Hemoglobin (MCH)	26.7	pg	Children: up to 1 year: 28-35 1-16 years: 28-32 Adults: 27-33
Mean Corpuscular Hemoglobin Concentration (MCHC)	33.9	g/dL	32.0 - 36.0
Platelets (PLT)	492	10 ⁹ cell/L	Children: up to 1 year: 180-400 1-16 years: 160-390 Adults: 180-360 Hydrodynamic focusing with impedance method (direct determination method)
Red Blood Cell Distribution Width (RDW-SD)	35.3	fl	35.0 - 46.0
Red Blood Cell Distribution Width (RDW-CV)	12.4	%	12.0 - 15.0
Platelet Distribution Width (PDW)	13.3	%	10.0 - 20.0
Mean Platelet Volume (MPV)	11.4	fl	6.0 - 13.0
Platelet Crit (PCT)	0.56	%	0.1 - 0.5
Neutrophils (per 100 leukocytes)	37.1	%	Children: up to 1 year: 15-45 1-6 years: 25-60 6-12 years: 35-65 12-16 years: 40-65 Adults: 47-72
Neutrophils (abs.)	3.72	10 ⁹ cell/L	Adults: Women: 1.56 - 6.13 Men: 1.78 - 5.38

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Parameter	Result	Unit	Reference range
Complete blood count (CBC)			
Lymphocytes (per 100 leukocytes)	54.3	%	Children: up to 1 year: 38-74 1-6 years: 25-60 6-12 years: 24-54 12-16 years: 22-50 Adults: 19-37
Lymphocytes (abs.)	5.45	10 ⁹ cell/L	Adults: Women: 1.18 - 3.74 Men: 1.32 - 3.57
Monocytes (per 100 leukocytes)	6.3	%	Children: up to 1 year: 2-12 1-16 years: 2-10 Adults: 3-10
Monocytes (abs.)	0.63	10 ⁹ cell/L	Adults: Women: 0.24 - 0.82 Men: 0.30 - 0.82
Eosinophils (per 100 leukocytes)	1.2	%	Children: up to 1 year: 0.5-7.0 1-16 years: 0.5-6.0 Adults: 0.5-5.0
Eosinophils (abs.)	0.12	10 ⁹ cell/L	Adults: Women: 0.04 - 0.36 Men: 0.04 - 0.54
Basophils (per 100 leukocytes)	0.9	%	0.0 - 1.0
Basophils (abs.)	0.09	10 ⁹ cell/L	0.01 - 0.08
Immature granulocytes (per 100 leukocytes)	0.2	%	* Children: up to 2 years: ≤0.4 2-5 years: ≤0.3 5-10 years: ≤0.4 10-18 years: ≤1.1 Adults: 18-20 years: ≤1.1 20-60 years: ≤0.9 over 60 years: ≤1.1 * According to the recommendations provided by Roehrl et al., Reference Ranges for Immature GranulocytesArch PatholLab Med — Vol 135, 2011 ** Pregnant women: I trimester: ≤0.92 II trimester: ≤2.00 III trimester: ≤3.80 ** According to the recommendations provided by Ling-Ling Yuet al., Changes and reference intervals of immature granulocytes in the peripheral blood of women according to pregnancy trimesterInt J Clin Exp Med 2016; 9 (5): 8169-8175

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Parameter	Result	Unit	Reference range
Complete blood count (CBC)			
Immature granulocytes (abs.)	0.02	10 ⁹ cell/L	* Children: up to 1 year: ≤0.05 1-10 years: ≤0.04 10-18 years: ≤0.13 Adults: 18-20 years: ≤0.13 20-60 years: ≤0.06 over 60 years: ≤0.08 * According to the recommendations provided by Roehrl et al., Reference Ranges for Immature Granulocytes Arch Pathol Lab Med — Vol 135, 2011 ** Pregnant women: I trimester: ≤0.091 II trimester: ≤0.247 Third trimester: ≤0.456 ** According to the recommendations provided by Ling-Ling Yuet al., Changes and reference intervals of immature granulocytes in the peripheral blood of women according to pregnancy trimester Int J Clin Exp Med 2016; 9 (5): 8169-8175

Remark:



Дячук Анна

Examination results

Order date: 02/08/2021 Order No: 26155461
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 Age: 6 Y 8 M BDP: Orders Kiev
 Gender: Female Doctor:



Barcode: **3004270077**

High attention zone

Parameter	Result	Unit	Reference range
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Bio/immunochemistry

Total Thyroxine (T4 total)	10.2	µg/dL	Children: up to 12 mo.: 9.7 - 19.1 1-6 years: 9.2 - 15.1 7-12 years: 7.6 - 13.7 13-17 years: 6.4 - 13.4 Adults: 5.1 - 14.1 Method: Electrochemiluminescence Immunoassay (ECLIA) Reagents: Roche Diagnostics (Switzerland) Analyzer: Cobas 8000/Cobas Pro/Cobas 6000/Cobas e411 (Switzerland)
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Immunology-ELISA

Mycoplasma pneumoniae, IgM antibodies	0.48	R	R < 0.8 - negative result 0.8 ≤ R < 1.1 - doubtful result R ≥ 1.1 - positive result Method: Enzyme-linked immunosorbent assay (ELISA) Reagents: Euroimmun (Germany) Analyzer: EUROIMMUN Analyzer I (Germany)
Chlamydia pneumoniae, IgM antibodies	0.1	R	R < 0.8 - negative result 0.8 ≤ R ≤ 1.1 - doubtful result R > 1.1 - positive result Method: Enzyme-linked immunosorbent assay (ELISA) Reagents: Euroimmun (Germany) Analyzer: EUROIMMUN Analyzer I (Germany)
Giardia (lamblia), total antibodies	0.14	R	< 0.9 - negative result 0.9 - 1.1 - doubtful result > 1.1 - positive result
Toxocara canis, IgG antibodies	0.11	R	< 0.9 - negative result 0.9 - 1.1 - doubtful result > 1.1 - positive result
Ascaris lumbricoides, IgG antibodies	0.07	R	< 0.9 - negative result 0.9 - 1.1 - doubtful result > 1.1 - positive result
Toxoplasma gondii, IgA antibodies	0.03	R	R < 0.8 - negative result 0.8 ≤ R < 1.1 - doubtful result R ≥ 1.1 - positive result Method: Enzyme-linked immunosorbent assay (ELISA) Reagents: Euroimmun (Germany) Analyzer: EUROIMMUN Analyzer I (Germany)
Opisthorchis felineus, IgG antibodies	0.05	R	< 0.9 - negative result 0.9 - 1.1 - doubtful result > 1.1 - positive result

Package # 138 (Borrelia burgdorferi, IgG, IgM antibodies, BlotAnalysis)

Borrelia burgdorferi, IgM antibodies (BlotAnalysis)

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Parameter	Result	Unit	Reference range
Borrelia burgdorferi, IgM antibodies (BlotAnalysis)			
VlsE	not detected		not detected
p41	not detected		not detected
p39	not detected		not detected
OspC Ba (Borrelia afzelii)	not detected		not detected
OspC Bb (Borrelia burgdorferi)	not detected		not detected
OspC Bg (Borrelia garinii)	not detected		not detected
IgM	not detected		not detected
Borrelia burgdorferi, IgG antibodies (BlotAnalysis)			
VlsE (Borrelia afzelii)	not detected		not detected
VlsE (Borrelia burgdorferi)	not detected		not detected
VlsE (Borrelia garinii)	not detected		not detected
Lipid Ba (Borrelia afzelii)	not detected		not detected
Lipid Bb (Borrelia burgdorferi)	not detected		not detected
p83	not detected		not detected
p41	detected		not detected
p39	not detected		not detected
OspC (B.afzelii)	borderlineresult		not detected
p58	not detected		not detected
p21	not detected		not detected
p20	not detected		not detected
p19	not detected		not detected
p18	not detected		not detected
IgG	not detected		not detected

IMD Germany

Strongyloides stercoralis, IgG antibodies, EIA method	1	MONA	up to 4.0
Tumor necrosis factor (α-TNF)	9	pg/mL	up to 8.1

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Remark:



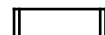
Небильцова О.В.

Результати досліджень

Дата замовлення: 02/08/2021 № замовл.: 26155461
 Пацієнт: **Kjemali Albana**
 Дата народження: 13/11/2014 Контракт: Вівере Київ
 Вік: 6 Y 8 M Пункт: Orders Kiev
 Стать: Жіноча Лікар:



Штрих-код: **3004270077**



Індикатор зони
підвищеної уваги

Показник	Результат	Од.	Референтний інтервал
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Біо/імунохімія

Тироксин загальний (Т4 загальний)	10.2	мкг/дл	Діти: до 12 міс.: 9.7 - 19.1 1-6 років: 9.2 - 15.1 7-12 років: 7.6 - 13.7 13-17 років: 6.4 - 13.4 Дорослі: 5.1 - 14.1 Метод: Електрохемілюмінесцентний аналіз (ECLIA) Реагенти: Roche Diagnostics (Швейцарія) Аналізатор: Cobas 8000/Cobas Pro/Cobas 6000/Cobas e411 (Швейцарія)
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Примітка:



Ружицька Н.І.