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Automatic Noninvasive Express Screening Analyzer (ANESA)



Biopromin LTD

Khalturina str.50, Kharkiv 61038, Ukraine **tel:** +38 057 7554335 **fax:** +38 057 7381413 **e-mail:** bioluch@yahoo.com

Automatic Noninvasive Express Screening Analyzer (ANESA)

Device is designed for screening analysis of human body.

Results of the analysis include more than 100 parameters of blood formula, electrolyte metabolism, the system of blood fibrillation, the enzyme system, oxygen assimilation and transportation, CO2 assimilation and transportation, internal blood flow, cardiomechanics, etc.

- Noninvasive examination
- No blood extraction, no pain
- Comfortable, no stress
- Measure indices of blood in its natural environment
- Results are available in 3-6 minutes
- Monitoring of trends in repeating examinations
- Compact, mobile device
- No restrictions in repeating examinations
- More than 100 parameters give better overview of the state of organism
- Preliminary results from patient database can serve as a help for medical staff in stating of diagnosis

DUALITY MANAGE

FI

CE,1023

ANESA doesn't replace biochemical laboratory analysis and gives the information about the state of health. The quantity of certified parameters varies in different countries. Other parameters are used as recommended ones.

Principle of function of Automatic Noninvasive Express Screening Analyzer (ANESA) is based on measurement of temperature in certain biologically active points of a human body, taking into account other initial data about the patient and parameters of environment. All the information is processed by the software USPIH and is the base for the report/survey with the parameters of health state.

Device has five sensors, which are to be placed onto so-called biologically active points of patients' body.

The following bioactive points are used during an examination:

- on bifurcation of left and right carotid arteries (two points, on neck)
- in left and right axillary regions (two points, in ampits)
- in abdominal region (one point, umbilicus).

Intended fields of the application of the device: family doctors, clinics, hospitals, medical research centers, sanatoriums and other medical institutions.



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Models of ANESA

ANESA analyzer is manufactured in different enclosures to meet customer needs and requirements. Depending on used enclosure, there are different complete sets of cables with microprocessors. Enclosures are shown on picture.





00001 Patient Name

Gender: ma		ale Age: 67	Weight: 85	Pulse: 80	Resp.rate: 18	Atm.pres: 737,87
l	_CA: 34	,12 RCA: 34,6	LAC: 36,02	RAC: 36,56	ABD: 33,78	175,16
	No.:		Parameter:		Norm:	Value:
		Hemogram:				
1	1	Hemoglobin HGB. g/			120 - 175	118,72
2	2	Erythrocytes RBC. m			4 - 5,6	3,63
3	4	Leukocytes WBC. x1	DE9/l	4,3 - 11,3	4,88	
4	120	MCH. pg		26 - 32	33	
5	121	MCV. fl		81 - 94	91	
6	122	MCHC.g/l			310 - 350	356
7	123	CPB (Color index of I	olood).		0,85 - 1,15	0,98
8	3	Lymphocytes. %			19 - 37	27,79
9	5	Segmented neutrofil	es. %	47 - 72	57,01	
10	7	Eosinophils. %		0,5 - 5,8	1,45	
11	8	Monocytes. %		3 - 11	8,85	
12	9	Stab neutrofiles. %		1 - 6	4,89	
13	6	Erythrocyte sedimen	tation rate ESR. mm/h		1 - 14	41,67
		Blood coagulation:				
14	10	Beginning of coagula	ation. min		0,5 - 2	02`08``
15	11	End of coagulation. min			3 - 5	03`38``
16	12	Thrombocytes. x10E			180 - 320	289,36
17	86	Fibrinogen. g/l			2 - 4	3,23
18	87	Prothrombin index.	6		75 - 104	78,18
19	88	Hematocrit. %			35 - 49	33,38
		Electrolyte metabolism:				
20	13	Calcium (Ca) in plas			2,25 - 3	2,65
21	14	Magnesium (Mg) in p	olasma, mmol/l		0,7 - 0,99	0,86
22	15	Potassium (K) in pla	sma, mmol/l		3,48 - 5,3	4,46
23	16	Sodium (Na) in plasr	na. mmol/l		130,5 - 156,6	140,44
		Functional parameter	ers of the stomach:		1.00,0 100,0	
21	1 🗆	nH of gastric juice.			1 2 - 1,7	1.07

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112	108	Husella	4,15 ,35	, 4,05 ∠
113	109	Cardiac ejection. ml	60 - 80	70,07
114	110	Interval PQ. sec	0,125 - 0,165	0,147
115	111	Interval QT. sec	0,355 - 0,4	0,442
116	112	Interval QRS. sec	0,065 - 0,1	0,109
117	113	The myocardial contraction of the left heart ventricle. %	52 - 60	65,79
118	114	Systolic arterial pressure. mm Hg		134,26
119	115	Diastolic arterial pressure. mm Hg		94,91
120	58	Plasma density. g/l	1048 - 1055	1 050,10
121	117	Cardiac work. Joule	0,692 - 0,788	0,78
		Hepatic metabolism		
122	118	eGFR [MDRD]. ml/min/1.73m²	95 - 145	102,2
123	119	Estimated creatinine clearance rate(eCCr)[Cockroft and Gault].	95 - 145	107,4
		ml/min		
124	124	CysC (Cystatin C). mg/l	0,6 - 0,96	0,79
125	125	BUN. mg/dl	6 - 23	15
		·		
126	126	Transferrin.(test!) mg/dl	204 - 380	169,60
127	127	Urine specific gravity g/cm ³	1005 - 1035	1 012
128	128	Chloride mmol/l	98 - 107	111,2
129	129	Ceruloplasmin (CP) g/l	0,2 - 0,6	0,265
130	130	Alkaline phosphatase (ALP) U/L	38 - 119	117,0

Preliminary computer conclusion about diagnosis:

It is necessary to get a consultation of a gastroenterologist

(gastroduodenitis?). It is necessary to eliminate a pathology of small intestine.

There is the hypoacid gastritis.

There is the spinal osteochondrosis. There is the derangement of waterelectrolytic metabolism. The Ca of plasma is changed (Ca of bone tissue).

There is the hypertension of pulmonary circulation.

Width of the third ventricle of cerebrum.=6,74

The index Tiffeneau is reduced till: 69,6 (Test Tiffeneau.)

