

Naissa
IMMUNO ANALYZER

INNOVATIVE IMMUNOCHEMISTRY

NeoMedica
bioscience technology

www.neomedica.rs

EXCELLENCE IN DIAGNOSTICS

FULLY AUTOMATED MONOTEST IMMUNOANALYZER



NAISSA®

Combine various type of tests to maximize the efficiency and at the same time minimize analytical error.

The NAISSA® Monotest Immunoanalyzer is the answer for laboratories of all sizes who demand a flexible solution in total automation of more than 150 different assays.

The NAISSA® is fully-automated Monotest Immunoanalyzer which uses a unique monotest reagent cartridge concept, embraced state-of-the-art technology and offers outstanding flexibility.

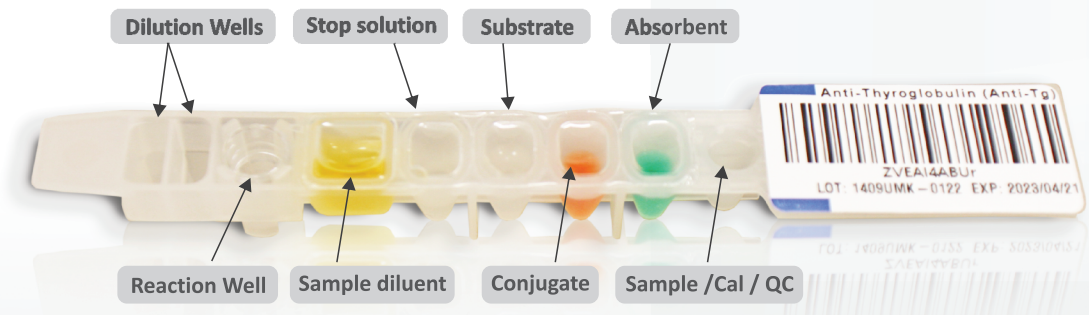
The easy-to-use, beautifully designed benchtop analyzer provides a perfect fit in your laboratory, and is designed to carry out in vitro diagnostic tests such as Viral, bacteria and parasite infections; Cancer and cardiac markers; Fertility, steroids, anemia, thyroid kits, etc., just in a few steps.

With NeoMedica's 26 years manufacturing experience and our unique expertise, we created the NAISSA® Monotest Immunoanalyzer, developed more than 150 different assays and created an automated system with superior flexibility, reliability and ease of use.

Its versatility comes from the fact that it is a perfect instrument for the most demanding laboratories, as wel as for those ones that are making first steps towards automation.

- **All reagents needed to perform tests are incorporated in a single ready-to-use barcoded cartridge.**
- **Up to 30 different assays can be performed simultaneously in one cycle.**

BRINGING **INNOVATION**
TO IMMUNODIAGNOSTICS



EXCELLENCE IN DIAGNOSTICS

NAISSA®
Technical Features & Benefits

- Test method is EIA as gold standard, well proved.
- 30 positions in temperature peltier controlled (25-37°C) rotor ensure perfect conditions for your 30 different assays in one run.
- Perfect mixing is ensured by 2 vibration motors, IVD Innovative
- Conjugate has own dedicated probe to minimize risk of cross contamination, together with dedicated piercing device for easy and risk free handling reagents.
- NAISSA® reduces carry over with 2 independent set of probes and piercing devices coated with latest technology nanoceramic.
- Reagent level has continually monitored by intelligent software, measured by precise weight sensor, which is more reliable than liquid level sensor monitoring
- Optical system is advanced LED fiber optic - maintenance free. No need for lamp change and difficult adjustments by specialized service engineers.
- PC with touch screen for easy and fast access
- Capacitive level sensor probes for accurate reagent handling
- Ceramic pump with high precision step motor (1 step = 0.01187 µL) is maintenance free.

NAISSA®
PRODUCTIVITY

- Less human effort
- No need for highly educated lab stuff
- Wide range of tests
- New tests constantly developed
- Flexible job list
- Rare and routine kits available on one platform

NAISSA®
EFFICIENCY

- Save time and avoid clerical mistakes in pre-analytic phase: NO REAGENT PREPARATION!
- SIMPLIFY OPERATION. Just add sample and click RUN.
- Barcoded labels prevent handling mistakes.
- No reagents collection and storage in post-analytic phase
- New methods come to NAISSA® automatically thru internet, or with just one click on QR code.

NAISSA®
Reagents Features & Benefits

- Ready to use barcoded reagent cartridge include all reagents necessary for a single test
- More than 250 assay parameters
- Calibrators and control are included in the kit
- Small kit packing size reducing expiration risk
- P2P +4PL calculation for quantitative results
- No need for making of the calibration curve
- Fresh reagents till expiry date
- Pre-calibrated tests
- No consumables
- No reagent waste
- No dead volumes



EXCELLENCE IN DIAGNOSTICS

FULLY AUTOMATED MONOTEST IMMUNOANALYZER

NAISSA®
TECHNICAL CHARACHERISTICS

INDEX	PERFORMANCE
Sample positions	30
Sample volume	Minimum 20µL (check instruction for use of each)
Reaction temperature	25±0.5°C or 37°C±0.5°C
Assay Method	EIA
Assay Speed	(60~120) min /30tests
Calibration	Calibrator included in all reagent kits
Quality Control	Internal QC material included in all reagent kits
Test Combination	Different tests with the same reaction temperature
Photometer Light Source	LED
Filters	450nm/630nm
OD Resolution	0.001ABS
Range of OD	0.000~3.000ABS
Accuracy of Filters	≤±3nm
Half width of Filters	≤12nm
Linearity of OD	0.000~3.0000A, r≥0.98
Repeatability of OD	CV≤5%
Accuracy & Fluctuation of Temperature	When operating at 25°C, offset ≤±0,5°C, Fluctuation ≤±0.4°C
Carry-over	≤1%
Accuracy and Precision of Priming	Offset ≤±5%, CV≤2%
Noise	<80dB
Dimension / Weight	680mmx600mmx500mm / 48kg
Voltage	AC 100-240V
Frequency	50/60Hz
Maximum power	350VA



- Clot detection has the advantage of using a special sample position on the cartridge, not the primary tube.
- Naissa has a solution for Anticrash probe as using a state of the art material in the manufacturing process.
- LIS and HIS protocols available.
- Internal memory with more than 100.000 test results, QC, Calibration (depend on HDD capacity).
- Intelligent self diagnostic

NAISSA® INNOVATIVE DIAGNOSTIC TOOL

NAISSA® Reagent Cartridge

The **NAISSA® Reagent Cartridge** only can be used with automated analyzer NAISSA® by NeoMedica.
Each cartridge is designed for a single determination of one patient sample.
The NAISSA® Reagent Cartridge holds a complete set of reagent enough for one patient sample.
Each test box consists of 24 cartridges including calibrators and controls.
All tests are CE marked.

AUTOIMMUNE DISEASE

PRODUCTS	CODE	PRODUCTS	CODE
Autoimmunity Rheumatology		*Autoimmunity Gastroenterology*	
Anti-dsDNA IgG	N709A24DNG	Anti-Tissue-Transglutaminase IgA	N241A24TTA
Anti-dsDNA IgM	N710A24DNM	Anti-Tissue-Transglutaminase IgG	N242A24TTG
ENA Screen	N703A24ENA	Anti-Gliadin-Check	N243A24GLC
ANA Screen	N707A24ANA	Anti-Gliadin IgA	N244A24GLA
RF Screen	N706A24RFS	Anti-Gliadin IgG	N245A24GLG
CCP IgG	N702A24IGG	Anti-Gliadin IgA	N246GDA
Anti-SS-A	N704A24SSA	Anti-Gliadin IgG	N247GDG
Anti-SS-B	N705A24SSB	*Autoimmunity Thrombosis*	
Sm	N711A24SM	Anti-Phospholipid Screen	N2511A24PH
Scl-70	N712A24SCL	Anti-Phospholipid Screen IgG	N251A24PHG
U1RNP	N713A24U1	Anti-Phospholipid Screen IgM	N252A24PHM
Jo-1	N714A24JO1	Anti-Cardiolipin Check	N253A24CLC
Centromere	N715A24CNM	Anti-Cardiolipin IgA	N254A24CLA
Rib-P	N716A24RIB	Anti-Cardiolipin IgG	N255A24CLG
Anti Histone	N717A24HIS	Anti-Cardiolipin IgM	N256A24CLM
ANA-HEp2	N718AHEP2	Anti-beta-2-Glycoprotein I - Check	N257A24B2C
Nucleo-h *	N719ANUC	Anti-beta-2-Glycoprotein I IgA	N258A24B2A
Autoimmunity Vasculitis		Anti-beta-2-Glycoprotein I IgM	N259A24B2M
ANCA-Pro	N261A24ACA	Anti-beta-2-Glycoprotein I IgG	N2510A24B2G
Anti-PR3 hs	N262A24PR3	*Autoimmunity Diabetes*	
Anti-MPO	N263A24MPO	Anti Insulin	N281A24INS
Anti-GBM	N264A24GBM		

ANEMIA PANEL

Erythropoietin EPO *	N1702M24EPO	Folate *	N1705M24FOL

TORCH

HSV 1+2 IgG *	N416T24IGG	HSV 1 IgG *	N419T24IGG
HSV 1+2 IgM *	N417T24IGM	HSV 2 IgM *	N420T24IGM
HSV 1 IgM *	N418T24IGM	HSV 2 IgG *	N421T24IGG

** Non IVDR*



FERTILITY PANEL

PRODUCTS	*CODE*
AMH *	N1301M24AMH

ENDOCRINE PANEL

ACTH * Adrenocorticotropic hormone	N901M24ACT	**Leptin**	N904M24LEP
Aldosterone *	N902M24ALD	**Renin**	N907M24REN
Cortisol *	N903M24COR	**Hepcidin-25** *	N911HEP25
Vitamin B12 *	N1701M24B12		

STEROIDS PANEL

Androstendion ANST *	N1101M24ANS	**Testosterone** *	N1108M24TES
Estradiol *	N1102M24E2	**Free Testosterone** *	N1109M24FTES
uE3 *	N1103M24UE3	**DHEA-S** *	N1110M24DHES
Progesterone *	N1104M24PRG	**DHEA** * (5-Dehydroepiandrosterone)	N1111M24DHEA
17-OHP *	N1105M24OHP	**Estrone (E1)** *	N1112M24E1
SHBG * (Sex hormone-binding globulin)	N1107M24SHB		

THYROID PANEL

Anti-Thyroglobulin (Anti-Tg) *	N1409M24ATG	**Tg** (Thyroglobulin) *	N1405M24TTG
Anti-TPO *	N1410M24ATPO	**TBG** (Thyroxine binding globulin) *	N1404M24TBG

CANCER MARKERS

Chromogranin A *	N1515CHRA		

DIABETES PANEL

Insulin *	N1001M24IN	**C-peptide** *	N1003M24CPEP

INFLAMMATORY PANEL

Procalcitonin (PCT) *	N1201M24PCT	**IL-6**	N1203IL6

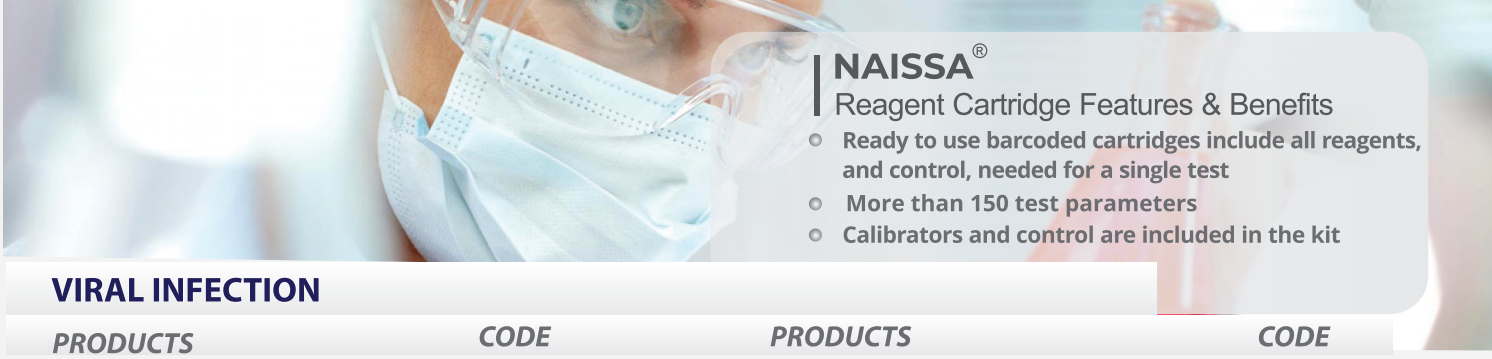
BONE METABOLISM

Calcitonin *	N801M24CAL	**25-OH Vitamin D** *	N803M24VID
PTH *	N802M24PTH		

PARASITE INFECTION

Toxocara IgA	N301T24IGA	**Echinococcus IgG**	N303T24IGG
Toxocara IgG	N302T24IGG		

** Non IVDR*



NAISSA®
Reagent Cartridge Features & Benefits

- Ready to use barcoded cartridges include all reagents, and control, needed for a single test
- More than 150 test parameters
- Calibrators and control are included in the kit

VIRAL INFECTION

PRODUCTS	CODE	PRODUCTS	CODE
Adenovirus IgG	N101V24IGG	EBV EBNA-1 IgM	N124T24IGM
Adenovirus IgM	N102V24IGM	EBV VCA IgA	N125T24IGA
Influenza A IgA	N103V24IGA	EBV VCA IgG	N126T24IGG
Influenza A IgG	N104V24IGG	EBV VCA IgM	N127T24IGM
Influenza A IgM	N105V24IGM	EBV EA-D IgG	N128T24IGG
Influenza B IgA	N106V24IGA	EBV EA-D IgM	N129T24IGM
Influenza B IgG	N107V24IGG	VZV IgA *	N130T24IGA
Influenza B IgM	N108V24IGM	VZV IgG *	N131T24IGG
Parainfluenza IgG	N113V24IGG	VZV IgM *	N132T24IGM
Parainfluenza IgM	N114V24IGM	Measles IgM	N135T24IGM
RSV IgG	N115V24IGG	Measles IgG	N136T24IGG
RSV IgM	N116V24IGM	Mumps IgM	N137T24IGM
FSME/TBE IgG	N118V24IGG	Mumps IgG	N138T24IGG
FSME/TBE IgM	N119V24IGM	Coxsackievirus B IgM	N145D24CXM
Enterovirus IgA	N120V24IGA	Coxsackievirus B IgG	N146D24CXG
Enterovirus IgG	N121V24IGG	Parvovirus B19 IgG *	N155T24PARG
Enterovirus IgM	N122V24IGM	Parvovirus B19 IgM *	N156T24PARM
EBV EBNA-1 IgG	N123T24IGG		

BACTERIAL INFECTION

Bordetella pertussis Toxin IgA	N201T24IGA	Mycoplasma REC IgA	N228T24IGA
Bordetella pertussis Toxin IgG	N202T24IGG	Mycoplasma REC IgG	N229T24IGG
Bordetella pertussis Toxin IgM	N203T24IGM	Mycoplasma REC IgM	N230T24IGM
Borrelia afzelii VlsE IgG	N204T24IGG	Helicobacter pylori IgG	N232T24IGG
Borrelia afzelii IgM	N205T24IGM	Helicobacter pylori IgA	N231T24IGA
Borrelia garinii IgM	N206T24IGM	Helicobacter Pylori IgM	N233T24IGM
Borrelia garinii VlsE IgG	N207T24IGG	Treponema pallidum IgG *	N234T24IGG
Borrelia recombinant IgG	N209T24IGG	Treponema pallidum IgM *	N235T24IGM
Borrelia recombinant IgM	N210T24IGM	Yersinia enterocolitica IgA	N237T24IGA
Brucella IgG	N212V24IGG	Yersinia enterocolitica IgG	N238T24IGG
Brucella IgM	N213V24IGM	Yersinia enterocolitica IgM	N239T24IGM
Mycoplasma pneumoniae IgG	N226T24IGG	Meningitis IgG *	N242D24MNG
Mycoplasma pneumoniae IgM	N227T24IGM	Listeria monocytogenes IgG	N245LIS
Mycoplasma pneumoniae IgA	N248T24IGA		

MYCOSES

Candida albicans IgG	N501V24IGG	Aspergillus fumigatus IgG	N505V24IGG
Candida albicans IgM	N502V24IGM	Aspergillus fumigatus IgM	N506V24IGM

* Non IVDR

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INFLAMMATORY PANEL / DIABETES

PRODUCTS	CODE
Adiponectin	N908ADP

GROWTH DEFICIENCY

Growth hormone (hGH) *	N2101M24HGH



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IVDR REAGENTS

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