![NeoMedica bioscience technology]

15 Years by You!

Accurate **Reliable**
Save
Easy to use

- Urinalysis has been an important diagnostic tool for more than hundred years.

- It can reveal diseases that have gone unnoticed because they do not produce striking signs or symptoms examples which include diabetes mellitus, various forms of glomerulonephritis, and chronic urinary tract infections.

- NeoMedica manufacture high end of NUA serie Urine analyzers, combining chemistry method of urine strip testing and traditional microscopic method through digital high resolution imaging system for enhanced fast, reliable results and lab personal safety.

- Fully automated measurement process with NUA1000 and NUA1500 has been based on traditional microscopic method and reliable chemical analysis.

About us
We are manufacturer, and global supplier of medical devices for In Vitro diagnostics since 2000.

Based in Europe, we implement highest standards in essential elements of our products - including manufacture, support in knowledge and effectiveness trough response time and good logistics.

In a brand new factory, introduced in 2013, diverse products are manufactured with unique purpose - to contribute to health around World.

NEOMEDICA DOO

Boulevard Sv Cara Konstantina
18000 Nis, SERBIA, EUROPE
Tel.+381 (0)18 533 935, 533 936
Fax +381 (0)18 573 616
e-mail: ivd@neomedica.rs
www.neomedica.rs

International Sales
Tel.+381 (0)18 533 935, 533 936
Fax +381 (0)18 573 616
e-mail: ivd@neomedica.rs

Technical Support
e-mail: support@neomedica.rs
Tel.+381 (0)18 533 935, 533 936
Fax +381 (0)18 573 616

ISO 13485
ISO 9001
CERTIFIED

CE

NUA-1000 & NUA1500
Chemistry and sediment analysis in one system

Automated Urinalysis Station

![NeoMedica bioscience technology]

YOUR RELIABLE IVD MANUFACTURER

NUA-1000
NUA Series
FULLY AUTOMATIC URINE SEDIMENT ANALYZERS
Fully automated measurement process based on traditional microscopic method

NUA 1000 is an automated urine sediment analyzer which provides whole field of view microscopic images of urine sediment and detecting sediment particles.
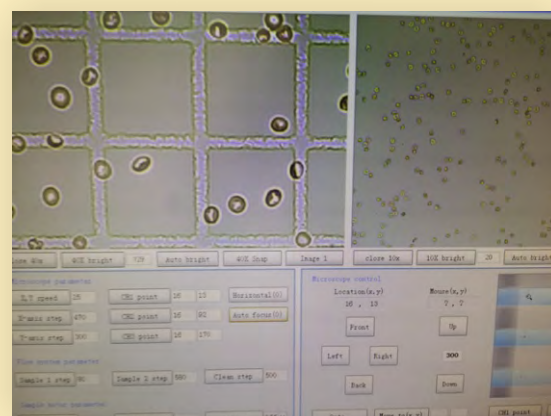
Using high definition imaging system, combined with sophisticated optics, achromatic high quality lens and optical fiber lighting.

Particles are automaticaly classified, eliminating need for manual microscopic examination.

Dedicated software simplifies on-screen result verification, including clear view of each recognized particle, size information, and full image database of microscope viewfield.

Bridging NUA-1000 with NUA-1500 (fully automated chemistry urine analyzer), makes NeoMedica NUA urinanalysis station into powerful tool for high-volume automation.
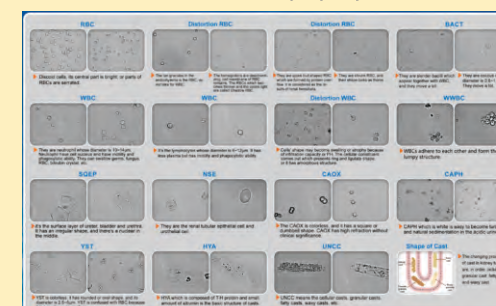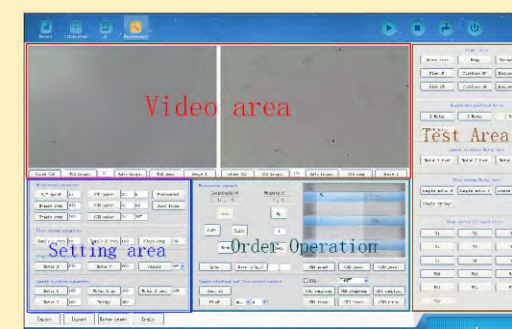
Help anytime
Urine Sediment Atlas show as pop up software

■ Sophisticated self-diagnostic system with onboard troubleshooting guide and error recovery

Flexible
■ Picture can be printed and added into report
■ User can classified unrecognized particles anytime,
■ Analyzer will automatically calculate and refresh every item result.

Video area

Test Area

Setting area

Order Operation

■ Special grid for automatic microscope calibration
■ Quality Control:
L-J QC diagram, mean, SD and CV etc.
■ User password control
■ Auto sampling:
Auto match conditions:
"Tube", "ID" and "Barcode"
■ Bridge with NUA1500
■ Samples:
STAT sample,
Bar-coded tube,
Batch mode,
Open tube

4 test modes (Intelligent, Fast, Normal and Fine)

Qualitative and quantitative analysis of the urine sediment

■ Parameters:
Red Blood Cells (RBC); White Blood Cells (WBC);
Hyaline Casts (HYA);Squamous Epithelial Cells (EPI);
Non-Squamous Epithelial Cells (NSEC); bacteria
(BAC); Yeast (YEA); Crystals (CRY); Sperm (SPRM).
Pathological Casts (PAT); Mucus (MUC); and others...
■ Technology: Automated microscopy and image processing
■ Counting cell:
triple channels (3 flow cells)
0,1 mm thickness of inner chamber
■ Throughput: up to 100 tests/hour
■ Batch size: 50 samples
■ Min. sample volume: 2,5 ml non-centrifugal urine
■ Sample: Native urine samples or sediment urine samlpes
■ Interface: USB, RS232 serial port, LPT, LAN
■ Data memory hold more than 50.000 results with images
Easy data handling: Data backup, Data recovery
and data export to excel file
■ Features: STAT functionAdvanced identification,
Bar code reader (build in), Modular system
■ Worklist sample status window
■ Conection with NUA-1500, Auto loader, LIS data transfer,
High resolution imaging, 12 categories of formed elements
■ No chemical dye required, Level sensors,
■ Duo Lens and cameras
■ Ports
DVI-D video port
internet port 1, internet port 2 for LIS
USB 1 , USB2, USB3, USB4, COM port
■ Supply: AC 100V ~240V
Frequency: 50/60Hz
Fuse: T3.15AL250V
Power: ≤150~220 VA
■ Dimensions and Weight
Dimension: L650× W640× H560mm
Weight: 60Kg

REAGENTS

2 main reagents - detergents

Advanced optics

Faster sampling: Triple Counting Channels - 3 flowcells
Quality and speed: Duo lens and duo cameras

- **ENHANCED TECHNOLGY SYSTEM FOR URINE ANALYSIS**

Bridging NUA-1500 with NUA-1000 (fully automated sediment urine analyzer), makes NeoMedica NUA urinanalysis station into powerful tool for high-volume automation.

NUA-1500
NUA Series
FULLY AUTOMATIC URINE BIOCHEMISTRY ANALYZERS

- NUA 1500 is a high throughput, automated urine biochemistry analyzer

300 samples/hour

Automatic Sample Dispensation

Automatic Sample Transfer

Automatic Strip Feed

Bar Code Reader

STAT Analysis

- Mainteance free sample handling system dispenses sample precisely on each pad on urine strip, eliminating cross contamination of individual chemical pads

SAMPLE COLOR IDENTIFICATION
SG, Color and Turbidity measurement by Refractometer module.

LIQUID LEVEL SENSING TECHNOLOGY
The instrument with the mixing function ensure mixing of the samples which has been placed for a long-term, and guarantee accurate of testing results

MULTI PARAMETERS
Bilirubin, Urobilinogen, Ketones, Ascorbic acid, Glucose, Protein, Blood, pH, Nitrite, Leukocytes Microalbumine, Specific Gravity, Creatinine, MA/CR, Calcium, Color, Turbidity

CODE	PRODUCTS	PACK	ANALYSIS ITEMS
N21830	Neocheck 1A	100strips/pack	Nitrite/pH/glucose/protein/Occultblood/ketone/ bilirubin/Urobilinogen/SG/leukocytes/ ascorbic acid
N21831	Neocheck 12	100strips/pack	Nitrite/pH/glucose/protein/Occultblood/ketone/ bilirubin/Urobilinog/SG/leukoc/ asc. acid/Microalb.
N441302	Detergent US	500 mL	
N441205	WASH A	5 L	

Multi Strip Loader
Automatic sampling (autoloader)
Tube rack number reading function

3 ways to verify quality
QC", "CHECK STRIP", "CALIBRATION"

Advanced Analysis Component
CIS technology
for more accurate sample analysis

Data Export. LIS transfer

TECHNICAL SPECIFICATIONS

- Evaluated parameters:
  Bilirubin, Urobilinogen, Ketones, Ascorbic acid, Glucose, Protein, Blood, pH, Nitrite, Leukocytes Microalbumine, Specific Gravity, Creatinine, MA/CR, Calcium, Color, Turbidity
  Via urine strips: Neocheck 1A, 12.
- Technology:
  reflectance photometer
  (wavelengths: 505, 530, 620, 660 nm)
- Throughput:
  300 samples/hour
- Batch size:
  110 Test tubes
- Memory capacity:
  up to 300.000 results
- Display: TFT Colour Touch Screen 8"
- Printer:
  Built-in thermal printer
  External printer-optional
- Interface:
  USB, RS232 serial port, LPT, LAN, PS2
- Operating system:
  Linux
- 2 ml Min. sample volume: Non centrifuged
- STAT function,

14 parameters on test strips (current development)
- Strip capacity:
  >200 strips

STAT Function

FEATURES
- Modular system
- Conection with NUA-1000 Fully Automated Urine Sediment Analyzer,
- Bar code reader (build in),
- LIS data transfer
- Level sensoring
- Advanced QC

Reliable ceramic pump
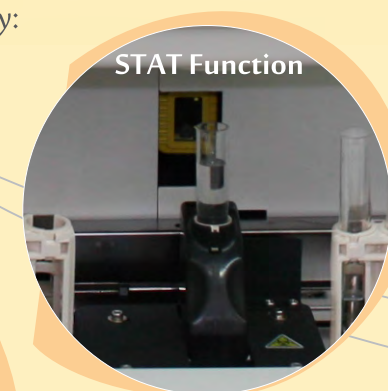
■ ENHANCED TECHNOLGY SYSTEM FOR URINE ANALYSIS

Bridging NUA-1500 with NUA-1000 (fully automated sediment urine analyzer), makes NeoMedica NUA urinanalysis station into powerful tool for high-volume automation.

AUTOMATED URINE ANALYZER
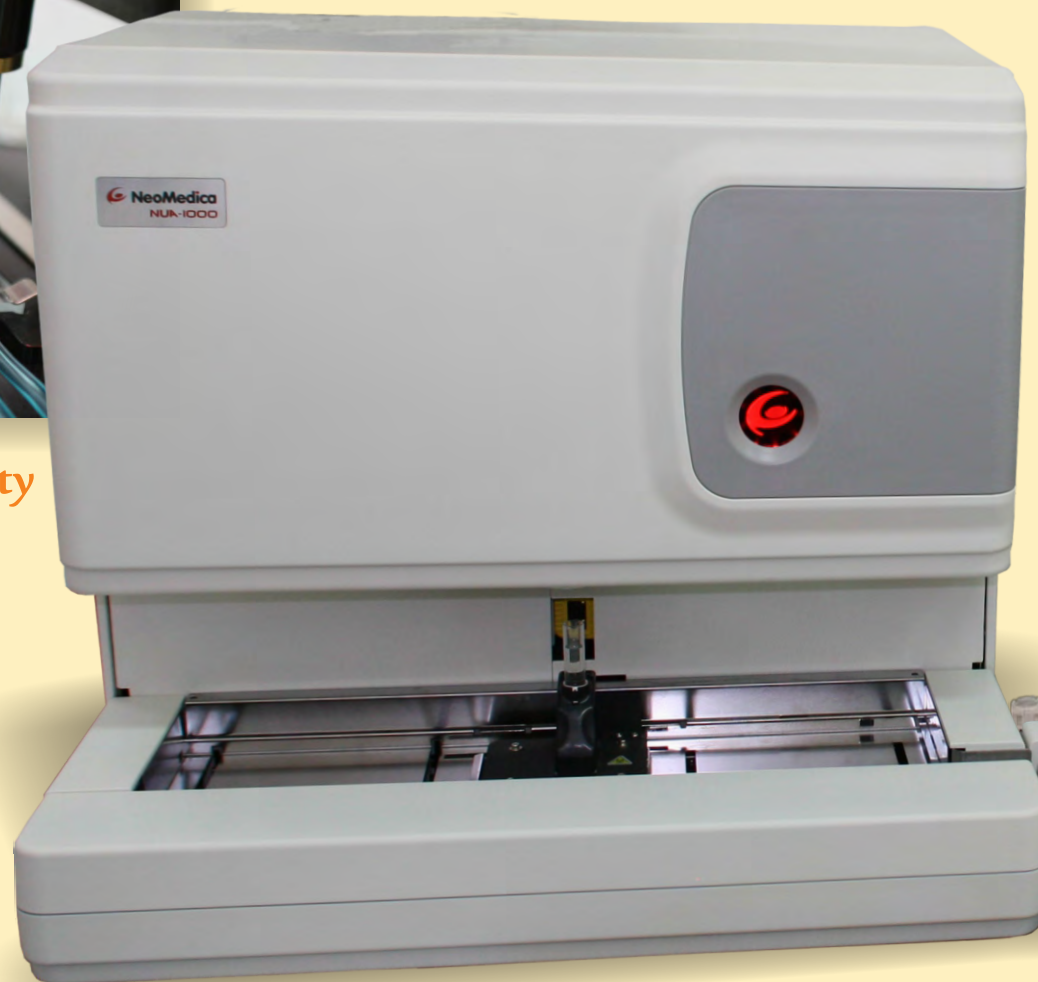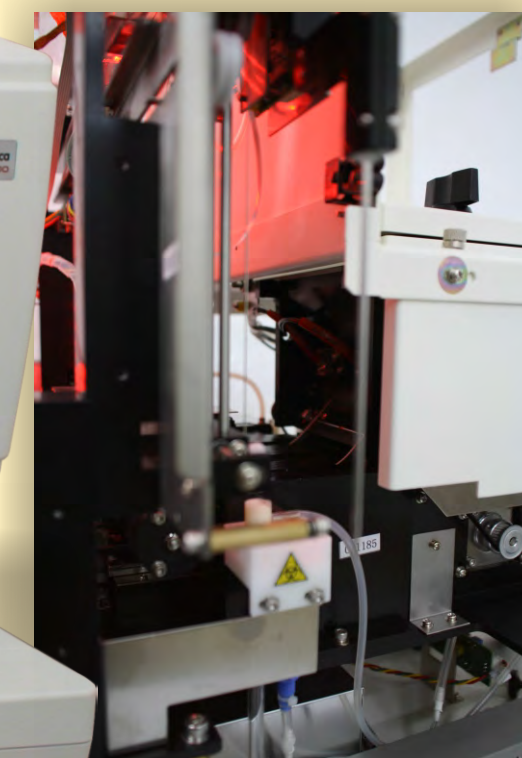
NUA-1000 & NUA1500

Full Auto Chemistry and sediment analysis in one system

Bench top - Modular concept - User friendly

Easy to correlate results with the Gold standard method (manual microscopy)

NUA-1000 high quality

NUA-1000 & NUA1500

Full Auto Chemistry and sediment analysis in one system

BRIDGED NUA = EFFICIENCY

NUA-1000 bridged with NUA-1500 provides standardisation and productivity with automatic validation

NUA-1000 high precision

Using advanced technology, every lab can decrease operating budget together with increasing staff efficiency

Easy to trace patient data and QC results

NUA-1000 bridged with NUA-1500 provides optimized workflow and maximize work efficiency.

Smart bridging option (conditional bridging) for optimal Urine Station utilization, increases troughput and reduces operation cost, by running sediment analysis on NUA-1000 only on samples with defined chemistry parameters out of range.

Low operation cost by less consumables needed — only 2 detergents per system. Sample mixing by air (on both units)

System throughput: more than 100s/h

With conditional bridging and intelligent mode setting.