



## UAZ-1000F Auto Urine Sediment

| Urine Analyzer

☰ Details Info

### Specifications:

<b>Principle</b>	Automatic recognition of digital images
<b>Parameter</b>	<p>1. auto-particle recognition :</p> <p>RBC,WBC, SQEP(squamous epithelial cells), NSE(non-squamous epithelial cells), HYA(cast),UNCC, CAOX(calcium oxalate crystal), BACT(bacteria), yeast, and etc.</p> <p>2.RBC phase detection</p> <p>3.receive URIT series urine dry chemistry analyzer's test data</p>
<b>Throughput</b>	more than 50samples / hour
<b>Sample</b>	native urine samples or urine sediment samples

Sample volume	minimum volume: 1.2 ml
counting cell	double channels
accuracy	over 95%
memory capacity	more than 50,000 results
printer	thermal printer ( other choice : laser priter or ink printer )
interfaces	RS-232 SERIAL PORT, USB, TCP / IP Ethernet
<b>Sample treatment automatic sampling, diluting, dying, blending, screening, image acquiring, particle counting, data saving, flow cell and probe washing, printing</b>	

Available for preset the 23 test items

Phase detection of RBC in urine

Flat-field achromatic automatic continuous zoom microscopic test system

Direct sampling with urine cup, with no need of test tube

Sample volume only requires 1.2 ml

Double channels to test

Automatically match with urine dry chemistry test result Multi-media operation software, comprehensive quality control system and correction system

Thermal printer with functions of report quick printing and automatic printing

Sleep and wakeup function

#### ◦ **High-precision Test System**

- The use of Olympus flat-field achromatic objective lens and automatic continuous zoom optical lens ensures the perfect quality of microscopic images
- Successfully overcome the effect of gravity to keep an accurate gather surface for a long time
- Automatic gathering calibration without using chemical reagent
- The infinite adjustment of the microscope light intensity ensures the clarity of images

#### ◦ **Leading Machine Vision Technology**

Consisting of computer science, picture processing and pattern recognition, the machine vision technology can automatically recognize and analyze images

Be able to analyze the shape and size of RBC and give distribution histogram of RBC in urine, MCD and R- RATE

Intelligent image splicing technology realizes the panorama mosaicking, convenience for observation and examination

#### ◦ **High-efficiency Washing System**

An Omni seal positive-negative pressure circulation cleaning system ensures no residue in duct and counting chamber

The use of specialized sampling probe cleaning set lowest the cross contamination

#### ◦ **Powerful Reporting Interface**

Images of urine sediment, recognition results and dry chemistry results display on the same screen makes it possible to compare with each other so as to improve the accuracy of the result and have no need to recheck


#### ◦ **Comprehensive Calibration System**

Auto calibration function, give you stability system.

Historical data checking reflects the running condition  
Manual a adjustment of microscope's clarity convenience for enhance recognition rate


- **Reliable Quality Control system**

Statistically analyze the daily quality control (QC) data to reflect the running condition and working quality  
Be able to retain the original QC data, record the reasons of failure, and generate an error alert

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