

FUS-100 Specification and Technical Parameter

Item	Technical Parameter
Automatic particle detection	RBC, WBC, squamous epithelial cell, non-squamous epithelial cell, transparent casts unclassified casts, mucus, bacteria, yeast, white blood cell group, sperm, etc,
Throughput	60 samples/h
Sampling	Row tube sampling, auto-mix, auto-sampling
Sample Volume	Minimum volume: 3ml non-centrifugal urine (Online minimum volume: 4ml non-centrifugal urine); inhalation volume: about 1ml
Test Principle	Cell flow technique, high-speed, high-depth of field imaging technique
Physical Component Differential	Artificial intelligence identification technique
Workstation	Four-core computer
Data Storage	Storage capacity 10,000
Connecting	Available for connecting to DIRUI Uri Plus-900 Automatic Urine Analyzer, Combined result printing.
Printer	HP laser printer

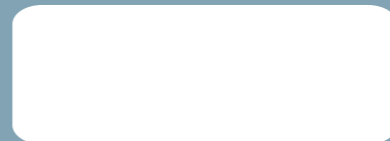
Uri Plus-900 Specification and Technical Parameter

Item	Technical Parameter
	Urobilinogen, bilirubin, ketones, blood, protein, nitrite, WBC, glucose, pH, vitamin C, microalbumin, specific gravity, color, turbidity
Wavelength	525nm, 572nm, 610nm, 660nm
Throughput	240 samples/h
Sample Rack Capacity	50 samples
Strips	Specified urine analysis strip for Uri Plus-900
Data Memory	Routine results 10000 emergency result 5000, QC 1000
Data Communication	RS+232 port, parallel printing port
Display	5.7 inch LCD
Language	English
Power Supply	AC110~220V 50Hz/60Hz
Power	300VA
Dimension	660mm X 625 mm X 581mm (length X width X height)
Weight	71.15kg
Printer	Built-in thermal printer

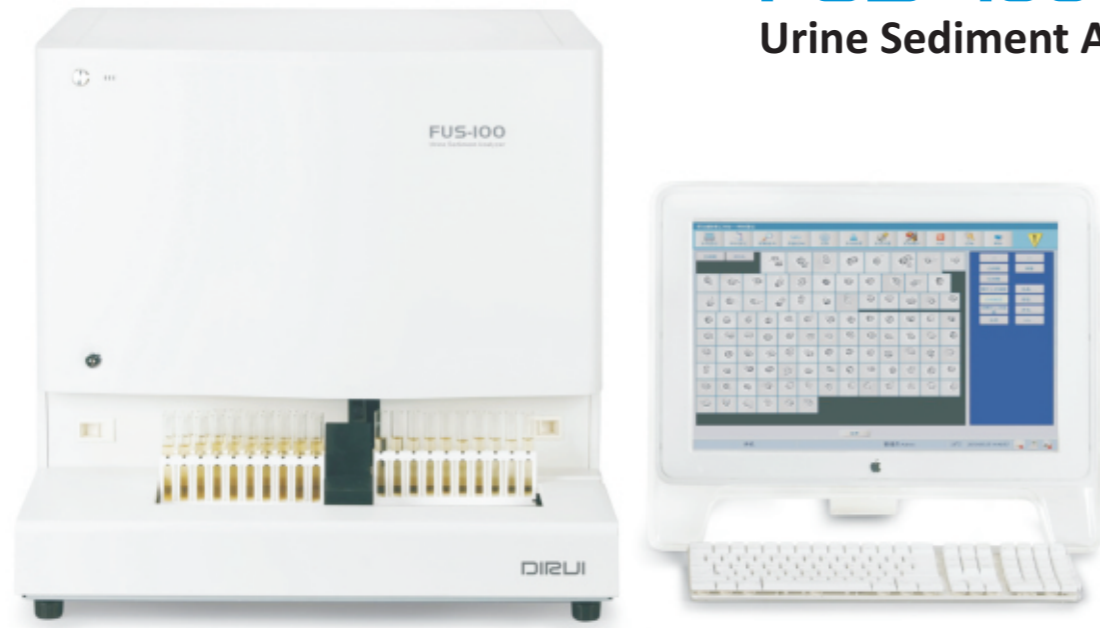
FUS 100 / URI PLUS 900 Automatic Urinalysis System



- With 18 years experience in urinalysis product development
- Adopting the most advanced image capture and multi-core parallel processing technology
- Following Uri Plus-900 automatic urine analyzer
- Another advanced product in urine analysis is produced by FUS-100 Urine Sediment Analyzer
- An unmatched Urinalysis System is formed by connecting with Uri Plus-900



FUS 100 Urine Sediment Analyzer



- Identify and classify by adopting image method consistent with NCCLS standards
- 820 frames of images for each sample
- Flow cell technology, without centrifuge and dye, contributes to low cost
- 12 visible component in urine can be identified accurately.

Cell flow technique

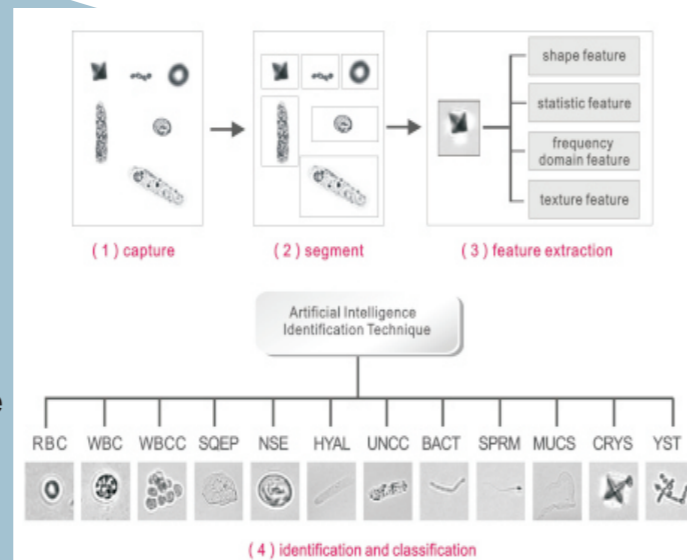
Adopting flat cell flow technique, the sample enters into the system with two layers of sheath outside. The sheath flow can ensure the visible component in urine is always at the focus of microscope lens, and each visible component passing through microscope lens and CCD camera in the form of single cell layer to avoid overlap. In addition, the flow of urine is the diffusion type, can effectively prevent aggregation of visible component.

High-speed, high-depth of field imaging technique

When each view of microscope is illuminated by high-speed flashing light source (40 times per second), all passing visible component will be captured, CCD camera will capture 820 frames of image containing visible component for each sample within a certain time.

Artificial intelligence identification technique

Each visible component image displayed on the screen is separated in a grid. The intelligence identification technique of visible component identification software can pick up the visible component particle image immediately and classify them according to shape, texture, statistic and frequency domain feature, etc.



URI PLUS 900 Auto-Urine Analyzer



- Precise quantitative dripping helps to avoid cross-contamination
- Automatic continuous sampling helps to improve test efficiency
- Built-in bar code system and data transmission system provide convenience for date transmission with LIS and HIS system.
- Precise control of reagent reaction time to ensure the accuracy of the
- Large LCD touch screen

Equipment, test strips, QC Trinity

Equipment

Precise control of reaction time. Precise quantitative dripping helps to avoid cross-contamination High-brightness cold light source and multi-wavelength detection helps to reduce ambient light interference

QC

Liquid reagent without redissolving can be used directly to avoid human sampling error. Free from material extracted from human urine to avoid the potential infection. The drugs adopted are all on toxic or low toxic drugs with no contamination to the environment, and without the need of special handling.

Strips

Anti-VC ability to avoid false negative of RBC, glucose, etc. Microalbumin screening can be carried our rapidly.

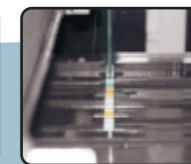
Ensure accurate urinalysis result



Large Touch Screen



STATRack



Precise quantitative dripping technology

