

FUS-3000Plus

Urinalysis Hybrid



Technical Specification

Sample Type	Urine
Test Items	Formed Elements Items : NRBC, MIRBC, ARBC, SRBC, OSRBC, WBC, WBCC, SQEP, RTEP, TREP, HYAL, GRAN, WAXY, BROAD, OCAS, BACI, SUCO, HYST, BYST, CAOX, URIC, MAPH, OCRY, SPRM, MUCS
	Chemistry Items : UBG, BIL, KET, PRO, BLD, LEU, NIT, GLU, pH, SG, VC(Optional), MALB(Optional), CRE(Optional), CA(Optional), A/C (Calculation), P/C (Calculation)
	Physics Items(Optional): Conductivity, Specific Gravity, Color, Turbidity, Osmolality (Calculation)
Principles	Formed Elements: Flow Imaging Technique
	Chemistry: Photoelectric Colorimetry
Sample loading	50/270 Samples (Optional)
Throughput	Hybrid Mode/ Formed Element Mode: 120 Tests/ Hour
	Chemistry Mode: 240 Tests / Hour
Min Sample Volume	Hybrid mode / Formed Elements Mode: 3.0 mL, Chemistry mode: 1.5 mL
Aspiration Volume	Hybrid mode / Formed Elements Mode: 2.2 mL, Chemistry mode: 0.4 mL
Interface	Port: RS-232 Port; LIS: Serial Port & Net Port
LIS/ HIS	Bidirectional communication with LIS/HIS
Bar Code Identification	Internal Bar Code Scanner
	External Bar Code Scanner(Optional)
Memory Capacity	≥ 100,000
Dimension	779mm×688mm×584mm(L×W×H)/897mm×1566mm×584mm(L×W×H) with pre-storage & reclaiming tray
Weight	82kg/115kg with pre-storage & reclaiming tray
Operation Temp.	10-30°C
Humidity	≤70%
Power	100~240V 50/60Hz

DIRUI

DIRUI INDUSTRIAL CO. ,LTD.

3333 Yiju Street, New&High Tech. Development Zone Changchun, Jilin 130103, P.R.China
E-mail: marketing@dirui.com.cn [Http://www.dirui.com.cn/en](http://www.dirui.com.cn/en)
Tel: +86(431)85083721

• Specifications subject to change without notice.
20240903

CE



Official WeChat
official account



THE LEADER IN URINALYSIS

FUS-3000Plus

Urinalysis Hybrid

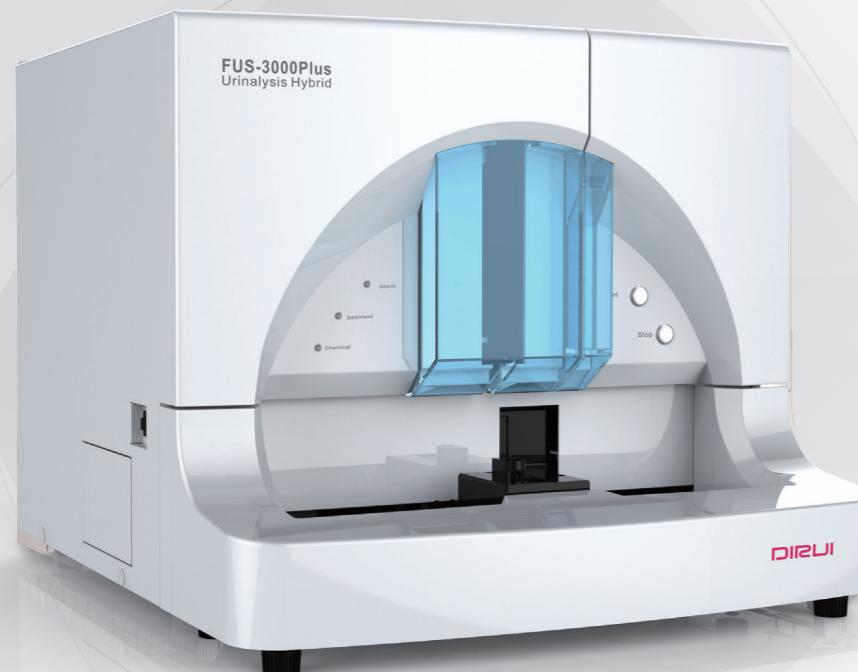


DIRUI

FUS-3000Plus

Urinalysis Hybrid

- Inherited classic flow type micro-imaging technology
- As an integrated instrument, FUS-3000Plus can test all items by one instrument



*Advanced Principle
Comprehensive Parameters*

*Efficient Test
Stable System*

ADVANCED PRINCIPLE

By utilizing flow type micro-imaging technology, FUS-3000Plus can provide further accurate and reliable results

Sheath Flow Technology

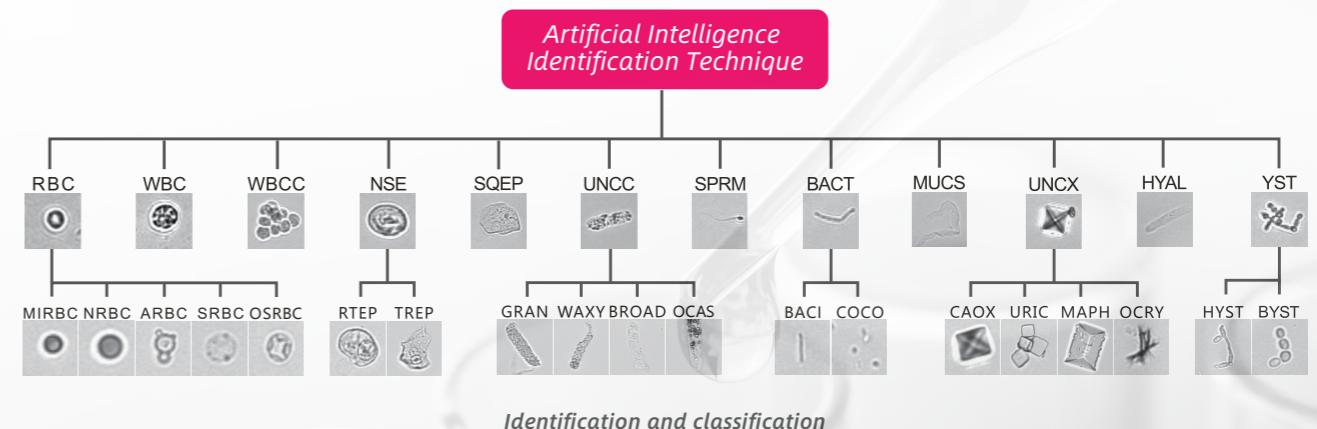
The urine formed element is directed by the sheath liquid with a single layer to avoid gather or overlap.

High-Speed Photograph Technology

More than 2000 frames images are taken with 600 times magnification.

Artificial Intelligent Identification(AII)

All makes the result highly concordant with Golden Standard.



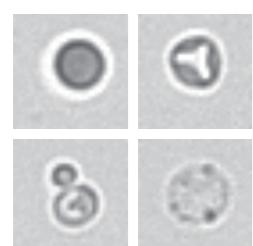
C OMPREHENSIVE PARAMETERS

FUS-3000Plus flexibly provides 45 comprehensive report parameters, fully satisfied clinical needs of urinalysis.

Formed Element Parameter

- FUS-3000Plus breaks through the technique difficulties of automatic analysis in urine formed element and provides 25 formed element parameters .
- Particles sub-classification offers highly valuable reference for clinical diagnosis

Abnormal RBC



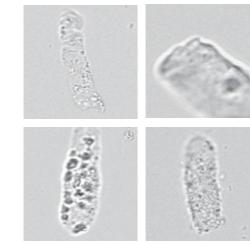
Abnormal RBC alarm automatically when uniformity, non-uniformity or miscibility RBC are identified
Abnormal RBC ratio prompts the hematuria resource

Epithelial Cell



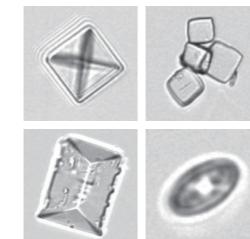
Abnormal Epithelial Cell result indicates the lesion position of urinary system diseases, such as urinary tract inflammation, nephric tubule acute necrosis and urocytitis, etc

Pathological CAST



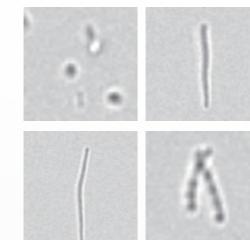
Pathological CAST indicates kidney parenchymal damage such as glomerulonephritis, glomerulosclerosis and nephrotic syndrome, etc

Crystal



Crystal sub-classification may indicate kidney stone and even metabolic disorders

Bacterial



Bacterial is identified and calculated automatically
Urinary Tract Infection(UTI) is alerted based on bacterial, WBC, RBC and chemistry result

Chemical and Physical Parameter

- 16 chemical parameters + 4 physical parameters
- As the earliest warning indication of chronic kidney disease, ACR has been listed as the diagnosis and staging of early kidney disease, chronic kidney disease by authoritative international guidelines, which is superior to microalbumin
- Conductivity reflects the concentration of kidney and has differential diagnosis of DM(diabetes mellitus) and DI(diabetis insipidus)

DIRUI



EFFICIENT TEST



Sieve test function: According to the chemical result activate formed element test intelligently



One key operation: Execute all works with only one key



Sample absorption: No need to open the test tube cap.

FUS-3000Plus
Urinalysis Hybrid

S TABLE SYSTEM



Complete quality assurance system

Complete calibrator, quality control, strip & reagent

Specific and complete calibration system

Build up stable qualified test system