FUS-3000Plus NEW

Urinalysis Hybrid
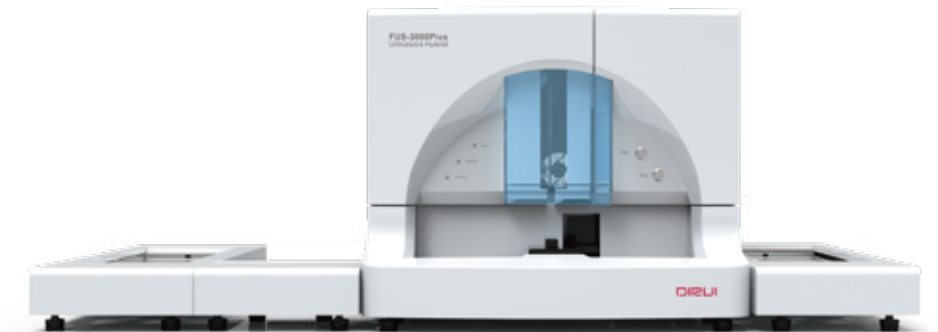
Technical Specification

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).
	Physics Items: Conductivity(Optional), Specific Gravity(Optional), Color(Optional), Turbidity (Optional)
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	Communication: 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 & reclaim tray
Weight	82 kg
Operation Temp.	10-30℃
Humidity	≤75%
Power	100～240V 50/60Hz

THE LEADER IN URINALYSIS

FUS-3000Plus NEW

Urinalysis Hybrid

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DIRUI

·Specifications subject to change without notice.
20200310

Certified to
ISO 9001:2008 and ISO 13485:2003

CE

DIRUI

DIRUI

FUS-3000Plus
Urinalysis Hybrid

- Inherit classical flow imaging analysis technology
- Integrate physical, chemical and formed element analysis
- FUS-3000Plus—The leader in Urinalysis

*A*dvanced Principle
*C*omprehensive Parameters

*E*fficient Test
*S*table System

ADVANCED PRINCIPLE

The FUS-3000Plus utilizes flow imaging analysis technology for accurate and reliable results
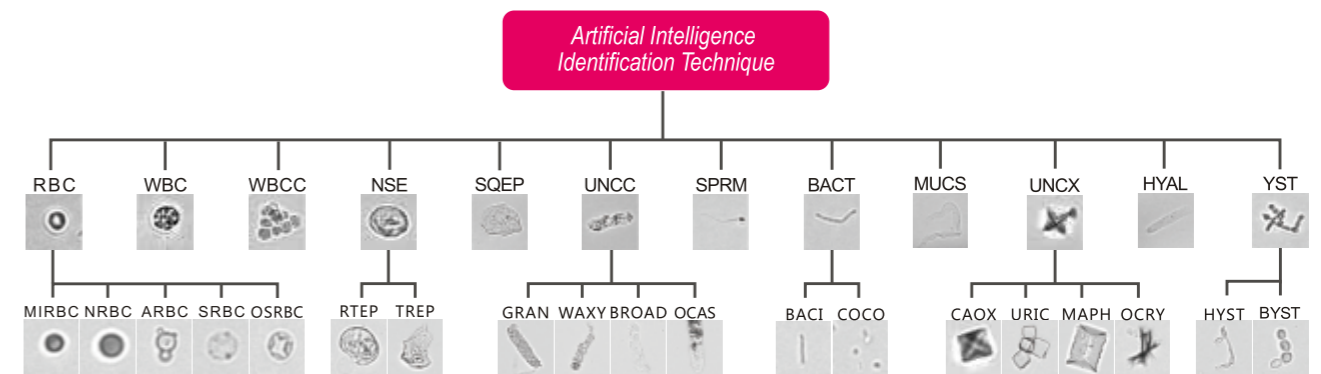
Sheath Flow Technology
The urine formed element is directed by the sheath liquid with a single layer to avoid gather or overlap.

High-Speed Photograph Technology
2000 frames image are taken with 400 times magnification to increase detection rate.

Artificial Intelligent Identification(AII)
AII makes the result highly concordant with Golden Standard.

Artificial Intelligence
Identification Technique

RBC	WBC	WBCC	NSE	SQEP	UNCC	SPRM	BACT	MUCS	UNCX	HYAL	YST

| MIRBC	NRBC	ARBC	SRBC	OSRBC	RTEP	TREP	GRAN	WAXY	BROAD	OCAS	BACI	COCO	CAOX	URIC	MAPH	OCRY	HYST	BYST

Identification and classification

COMPREHENSIVE PARAMETERS

FUS-3000Plus incredible provides the most comprehensive 43 report parameters and 2 research parameters results in the world

Formed Element Parameter

- 25 formed element parameters breakthrough the technique difficulties of urine formed element automatic analysis.

- Particles sub-classification offer high valuable reference for clinic diagnosis
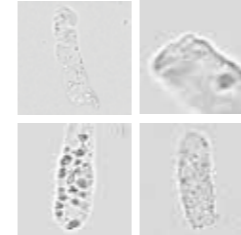
Abnormal RBC
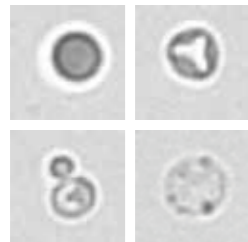
Abnormal RBC alert uniformity, non-uniformity or miscibility RBC
Abnormal RBC ratio alert the hematuresis resource
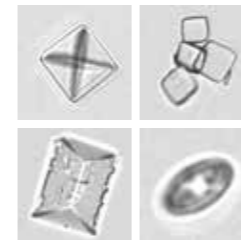
Epithelial Cell
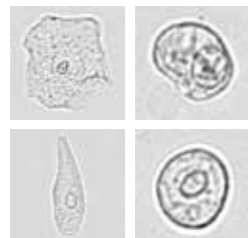
Epithelial Cell indicate the lesion position of urinary system diseases, such as urinary tract inflammation, nephric tubule acute necrosis and urocystitis
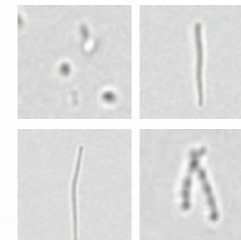
Pathological CAST

Pathological CAST indicate kidney parenchymal damage such as glomerulonephritis, chronic kidney failure, etc

Crystal

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

Bacterial

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

Chemical and Physical Parameter

- 14 chemical parameters+4 physical parameters

- ACR offers a precise estimate of the 24 hours urinary albumin excretion and the advanced detection of early-stage renal dysfunction

- Conductivity indicate the concentration and dilution ability of Kidney

DIRUI

EFFICIENT TEST

Sieve test function: intelligently activate formed element test

One key operation: execute all works with only one key

STABLE SYSTEM

DIRUI

Complete quality assurance system
Complete calibrator, quality control, strip & reagent
Specific complex quality control
Build up stable qualified test system