

URIT *Since 1984*
Global Diagnostics Supplier



US-2000 Series

AI Modular Urinalysis Workflow

World **Fastest** Urinalysis Workflow

- 480 T/H for urine dry chemistry analysis
- 240 T/H for sediment analysis

AI technology (CNN, deep learning)

Modular design & Multiply configurations



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Guilin, China

US-2000 Series

AI Modular Urinalysis Workflow

Customized combination Throughput up to 240 T/H



US-2000P



US-2000C

US-2000S



YC Module

- Tube rack storage
400 sample positions

Urinary Sediments Module

- UD-1320**
▪ 120 T/H

Urinary Sediments Module

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▪ 120 T/H

Urinalysis Module

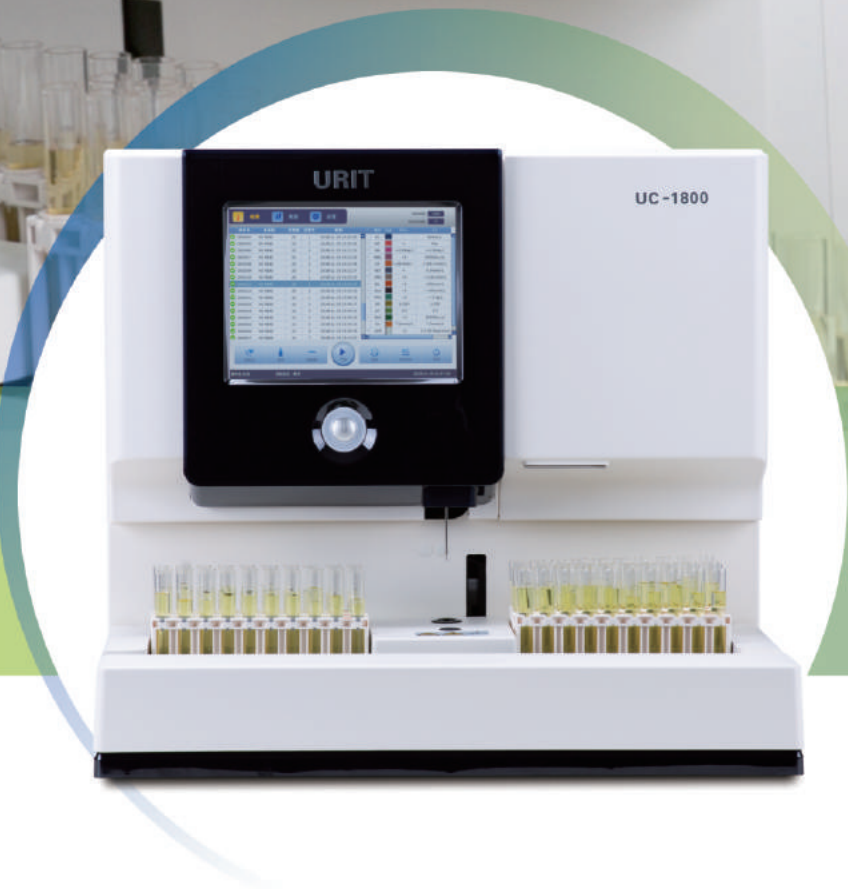
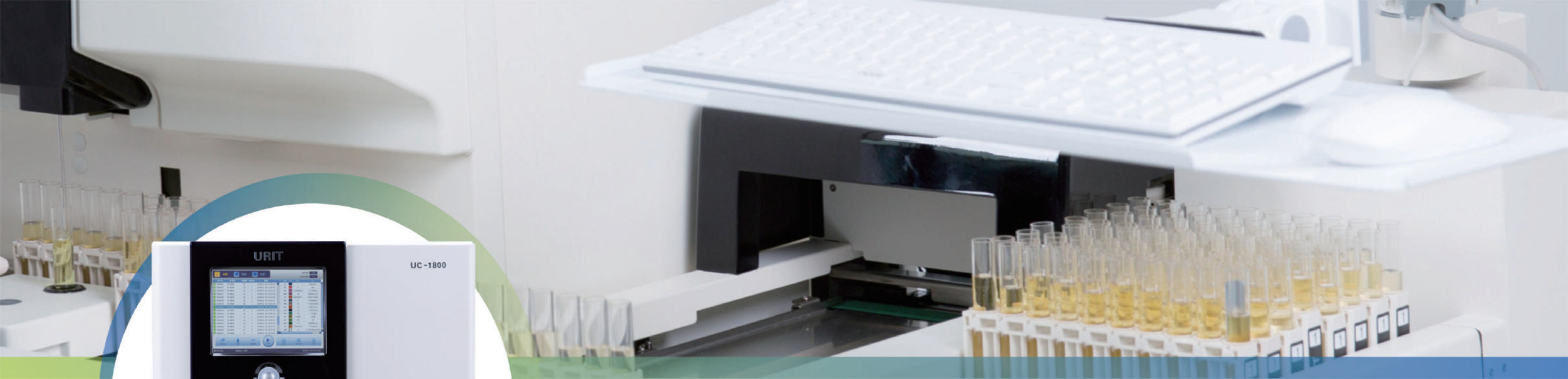
- UC-1800**
▪ 480 T/H

ST Module

- Sample preparation
200 sample positions
- Tube rotation function enables the high rate of barcode identification

IPU Module

- Data & control center



UC-1800

Automatic Urine Analysis Module



Advanced CIS Imaging System

- High accuracy and high efficiency
- Real strip image display



Constant Temperature Control System

- Avoid temperature interference
- Noise free and 20°C to 30°C temperature control with 1°C variance
- Offer the best reaction environment



Easy Touch Color Screen

- 10.4-inch touch color screen
- Operation and review from the same screen



Physical Module

- Redesigned SG module to compensate temperature influence
- Improve test accuracy of urine specific gravity, turbidity and color



Barcode Scanning Function

- Rack RFID auto recognition
- Tube rotation function enables the high rate of barcode identification



14 Items Strips

- 14 test items including VC, CR, MA and CA
- Albumin-to-Creatinine Ratio (ACR) helps to screen early kidney disease

Parameters	LEU, KET, NIT, URO, BIL, PRO, GLU, SG, BLD, pH, VC, CR, CA, MA, ACR, COLOR, TURBIDITY
Principle	CIS Color Detecting System, 5 wavelengths colorimetry method, refraction method
Strip	FA series strips
Strip Cabin Capacity	500
Sample Position	260
Sample Volume	≥2 mL, online mode ≥3 mL
Display	10.4-inch touch color LCD
Results Storage	2 million sample results, 100 thousand sample pictures
Print	Internal thermal printer, any external printer
Communication	RS-232, USB, LAN, parallel port
Others	STAT function, connect with urine sediment analysis module
Dimension	653 mm × 641 mm × 570 mm (Length × width × height)
Weight	68 kg

UD-1320

Auto Urine Sediment Analysis Module



Urine Sediment Analysis

- Flowcell digital imaging automatic identification
- High-definition video
- 800 frames image capture
- High speed data acquisition card



AI Technology

- Deep learning system
- Multi-layer neural network (CNN), more intelligent
- Expanded learning and migration learning technology, more compatible



High Speed & Reliability

- 120 T/H each module, maximum throughput can be 240 T/H
- To be fast but never compromising on high resolution pictures and reliable results



Consolidation of Urine Work Area

- New generation report interface
- Full report covers physical examination results, dry chemistry results, formed element results and RBC phase information



High Resolution Pictures

- 400 times magnified image
- 4 million pixels picture
- Guarantee the recognition accuracy rate

Principle	AI recognition technology, flat sheath flow technology, digital imaging technology
Parameters	Urine formed elements RBC, WBC, SQEP, NSE, HYA, GRAN, CAOx, UNCRY, URIC, BACT, YST, MUCS, SPBM, WBCC and etc. RBC phase detection MCV, RDW, abnormal RBC ratio Integrate urine dry chemistry results
Throughput	120 T/H
Sample	Nature urine
Sample Volume	≥1.2 mL, online mode ≥3 mL
Report Unit	xx/μL, xx/HPF, xx/LPF, plus system
STAT Function	Yes
Connection	RS-232, USB, LAN port
Dimension	698 mm × 674 mm × 575 mm (Length × width × height)
Weight	58 kg