

**URIT** *Since 1984*  
Global Diagnostics Supplier



## US-2000C

### AI Modular Urinalysis Workflow

World **First AI** Urinalysis Workflow

- 480 T/H for urine chemistry analysis
- 120 T/H for sediment analysis

Benchtop design saving valuable space

Real image for both sediment and chemistry strip

Modular design

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Guilin, China



# US-2000C

## AI Modular Urinalysis Workflow

Throughput up to 480 T/H

### US-2000C Urinalysis Workflow Benefits

- Benchtop design saving valuable space
- AI (artificial intelligence) technology to recognize and differentiate formed elements
- Real image display for urine formed element and strip
- Natural urine test directly, no preliminary, no centrifugation, no additional chemical staining required
- 1+1 Economic choice for full urinalysis

**Sediment Module**  
**UD-1320**  
▪ 120 T/H



**Chemistry Module**  
**UC-1800**  
▪ 480 T/H



**IPU Module**  
▪ Data & control center

**US-2000C**  
2200 x 700 x 575(mm), 140(kg)



# UC-1800 Automatic Urine Chemistry Analyzer Module



## Advanced CIS Imaging System

- High accuracy and high efficiency
- Real strip image display
- 5 wavelengths detection guarantees precise and confident results



## 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



## 14 Items Strips

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



## Bar code Scanning Function

- Rack RFID auto recognition
- Wide scanning bar code area



## Optional Highlights

- Redesigned physical module to give accurate results of specific gravity, turbidity and color
- Piercing tube function to prevent the infection of COVID-19 sample aerosol

<b>Principle</b>	CIS color detecting system, 5 wavelengths colorimetry method, refraction method
<b>Parameters</b>	Strip parameters: LEU, KET, NIT, URO, BIL, PRO, GLU, SG, BLD, pH, VitC (11FA, 14FA), MA (12FA, 14FA), CRE (12FA, 14FA), CA (14FA only) System parameters: ACR (12FA, 14FA), COLOR, TURBIDITY
<b>Throughput</b>	480 T/H
<b>Piercing Function</b>	Optional
<b>Strips</b>	11FA, 12FA, 14FA
<b>Strip Cabin Capacity</b>	500
<b>Sample Position</b>	200
<b>Sample Volume</b>	≥2 mL, online mode ≥3 mL
<b>Display</b>	10.4-inch touch color LCD
<b>Results Storage</b>	2 million sample results, 100 thousand sample pictures
<b>Print</b>	Internal thermal printer, any external printer
<b>Communication</b>	RS-232, USB, LAN, parallel port
<b>Others</b>	STAT function, connect with urine sediment analysis module
<b>Dimension &amp; Weight</b>	653 mm (L) × 641 mm (W) × 570 mm (H), 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 for sediment analysis
- 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



### Piercing Function

- Piercing tube function to prevent the infection of COVID-19 sample aerosol

<b>Principle</b>	AI recognition technology, flat sheath flow technology, digital imaging technology
<b>Parameters</b>	RBC, G1, COIN, GHOST, WBC, PAGOCYTE, WBCC, HYA, PAT, WAXY, CELLULAR, SQEP, NSE, TREP, REN, CAOx, CAOxm, CAOxd, URIC, UNCX, STRUVITE, AMORF, COCCI, BACCILI, YST, CANDIDA, MUCS, SPRM and more are coming soon... <b>RBC phase detection</b> MCV, RDW, abnormal RBC ratio <b>Integrate urine dry chemistry results</b>
<b>*Body fluid (optional)</b>	Cerebrospinal fluid (CSF) / Hydrothorax and ascite/ Vaginal secretions RBC, WBC, EC, BACT, etc.
<b>Sample type</b>	Nature urine/ Body fluid (Cerebrospinal fluid/ Hydrothorax and ascite/ Vaginal secretions)
<b>Throughput</b>	120 T/H
<b>Piercing Function</b>	Optional
<b>Sample Volume</b>	≥ 1.2 mL, online mode ≥ 3 mL
<b>Report Unit</b>	xx/μL, xx/HPF, xx/LPF, plus system
<b>STAT Function</b>	Yes
<b>Connection</b>	RS-232, USB, LAN port
<b>Dimension</b>	698 mm (L) × 674 mm (W) × 575 mm (H)
<b>Weight</b>	58 kg