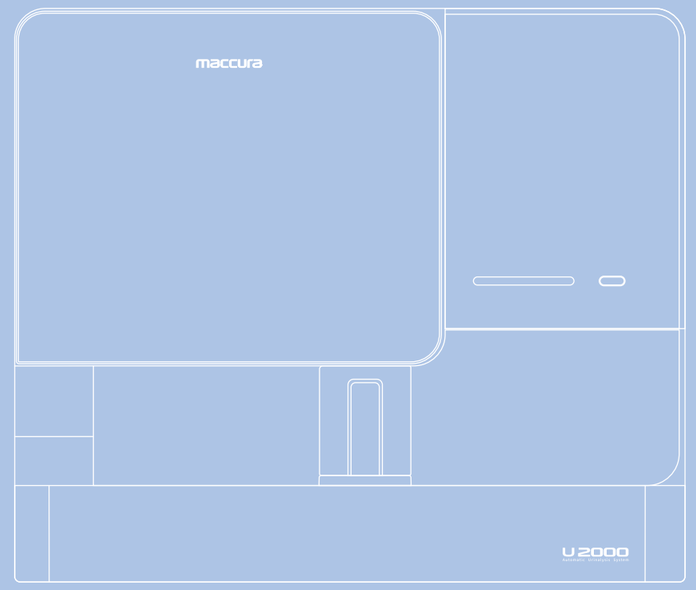
maccura

U2000

AUTOMATIC URINALYSIS ANALYZER SYSTEM



NOTICE： This brochure is for reference purpose only and subject to change without notice.

MACCURA BIOTECHNOLOGY CO., LTD.

Add: 8#, 2nd Anhe Road, Hi-tech Zone, 611731 Chengdu
Tel: +86 28 8173 1888
E-mail: maccura@maccura.com www.maccura.com

2023-02-06-U 2000-01

Webite Official Wechat

Flexible
Efficient
Intelligent
Accurate

A comprehensive solution for urinanalysis that integrates chemical, physical, and urinary sediment analysis.

- Cost and space saving, respond to lab needs flexibly. With a variety of detection modes, it can be operated separately or in combination.

- Improve testing efficiency. Integrate multiple detection modules, a complete test of physical, chemical, and sediment using a single sample.

- Introduce artificial neural network deep learning technology, identify urinary sediments intellegently.

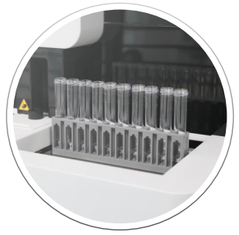
- Set standardized retest rules, perform multiple tests according to the rules. Regulate testing processes to reduce laboratory errors.

U 2000

AUTOMATIC URINALYSIS ANALYZER SYSTEM

Throughput

Chemistry Mode: 240T/H
Morphology Mode: 120T/H
All Mode: 120T/H

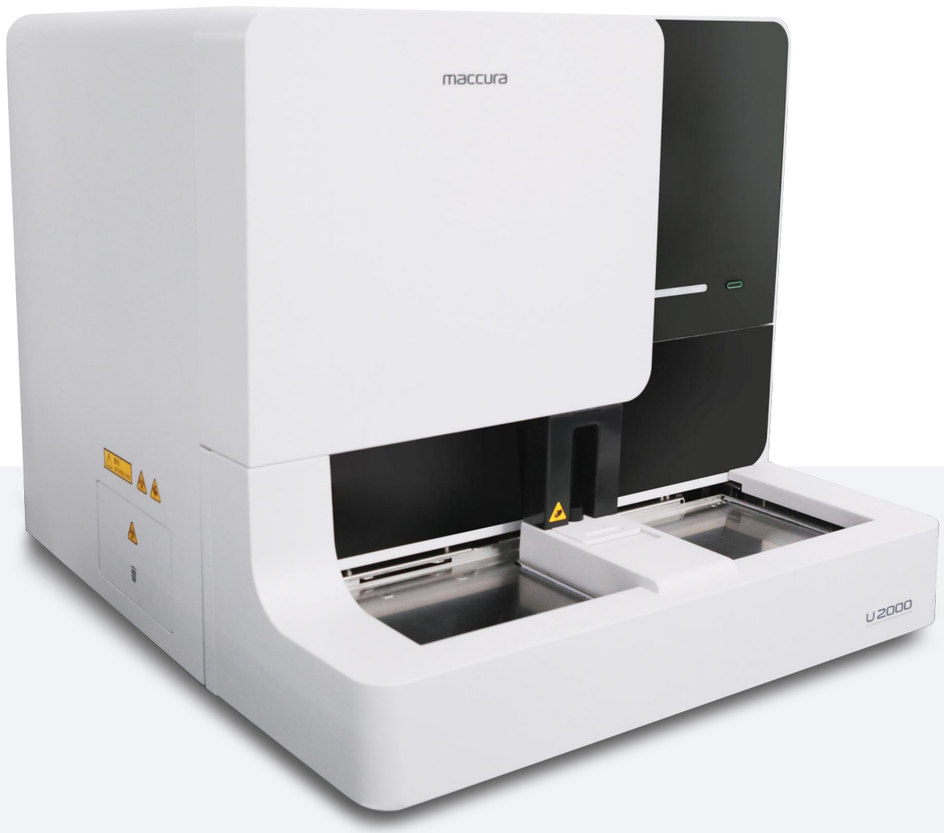


Sample Processing

No needs to centrifugation and staining, the combined detection of dry chemistry and urinary sediment can be completed directly on the instrument.
Simple and efficiet detection.

Supporting System

The automatic urinalysis system matches instruments, reagents and calibrators to ensure the accuracy of test results.



Urinary Sediment Identification

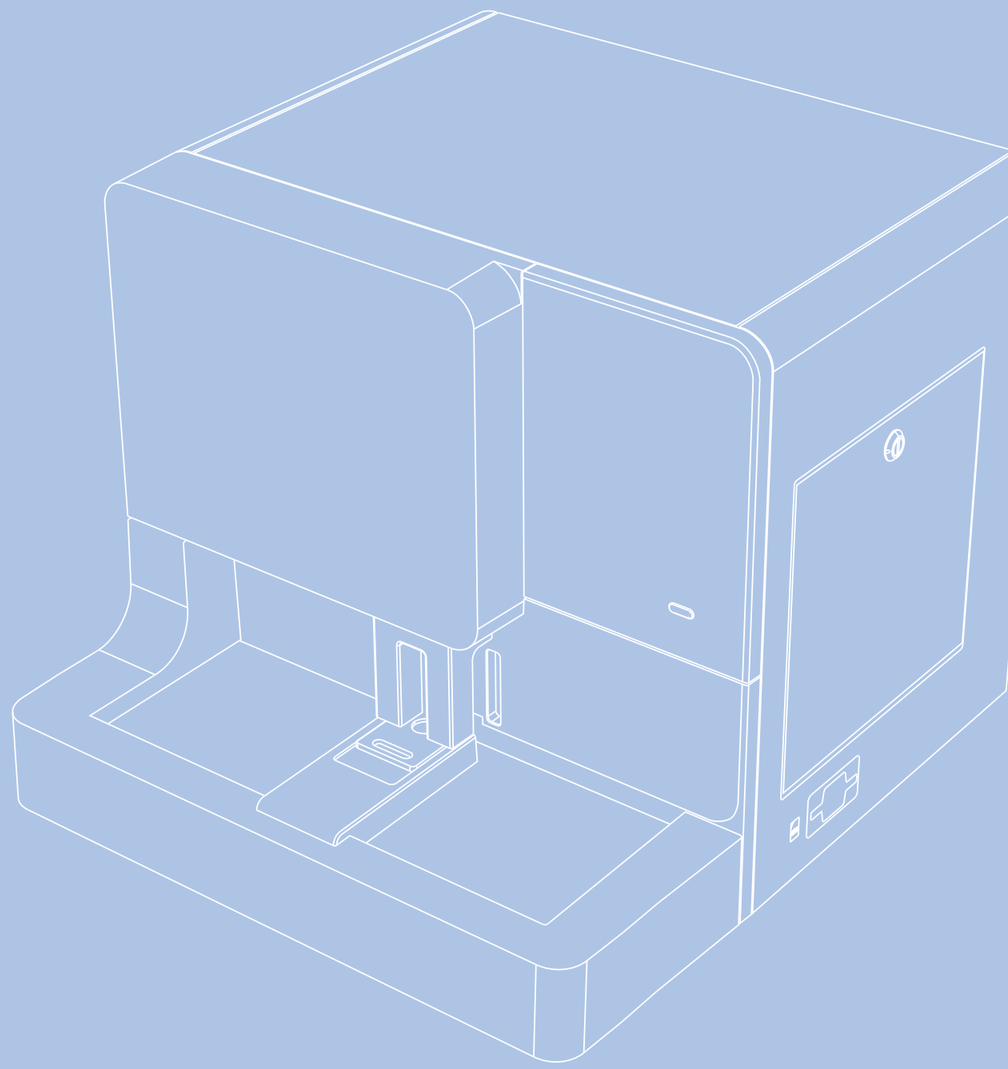
Flat flow cytometry technology combined with high-speed camera technology, the collected particle images have no overlap, no aggregation, intuitive and clear image display, and support graphic reports.
The AI neural network deep learning technology is used to extract the multiple features of particles to realize the identification and classification of components.

AUTOMATIC URINALYSIS ANALYZER SYSTEM

U 2000

Product Specification

Throughput	Chemistry Mode: 240T/H Morphology Mode: 120T/H All Mode: 120T/H
Detection Items	Physical: Color, Specific Gravity, Turbidity Urinary Sediment: WBC, RBC, Squamous Epithelial Cells, Non-Squamous Epithelial Cells, Hyaline Cast, Pathologic Cast, Bacterial, Crystals, Mucus, WBC mass, Yeast Like Cell, Sperm Dry Chemistry: Urobilinogen (URO)、Bilirubin (BIL)、Ketone (KET)、Blood (BLD)、Protein (PRO)、Nitrite (NIT)、Leucocyte (LEU)、Glucose (GLU)、pH(pH)、Specific Gravity (SG)*、Vitamin C (VC)、Microalbumin (MA)、Creatinine (Cr)、Calcium (Ca)
Detection Principle	Physical: Reflectivity method, refractive rate culculation, transmittance absorbance Urinary Sediment: Planar Flow Image Technology, Artificial Intelligence Recognition Technology Dry Chemistry: Photoelectric colorimetry
Sample Loading	Maximum 50 samples per detection, support continous loading
Data Storage	⩾ 200,000
Sample Processing	Samples can be processed directly in the instrument, without centrifugation or staining
STAT	Support
Retest Rules	Support
Sample Barcode	Automatic identification or manual input
Report Mode	Multiple reporting modes can be selected, and the same report can show the results of dry chemistry and urinary sediment
Language	Chinese / English
Data Port	RS-232 communication interface/Web port
Operation System	64-bit Windows 7/64-bit Windows 10
Instrument Size	656 mm×590 mm×670 mm(W×H×D)
Instrument Weight	67 kg

U 2000

AUTOMATIC URINALYSIS
ANALYZER SYSTEM