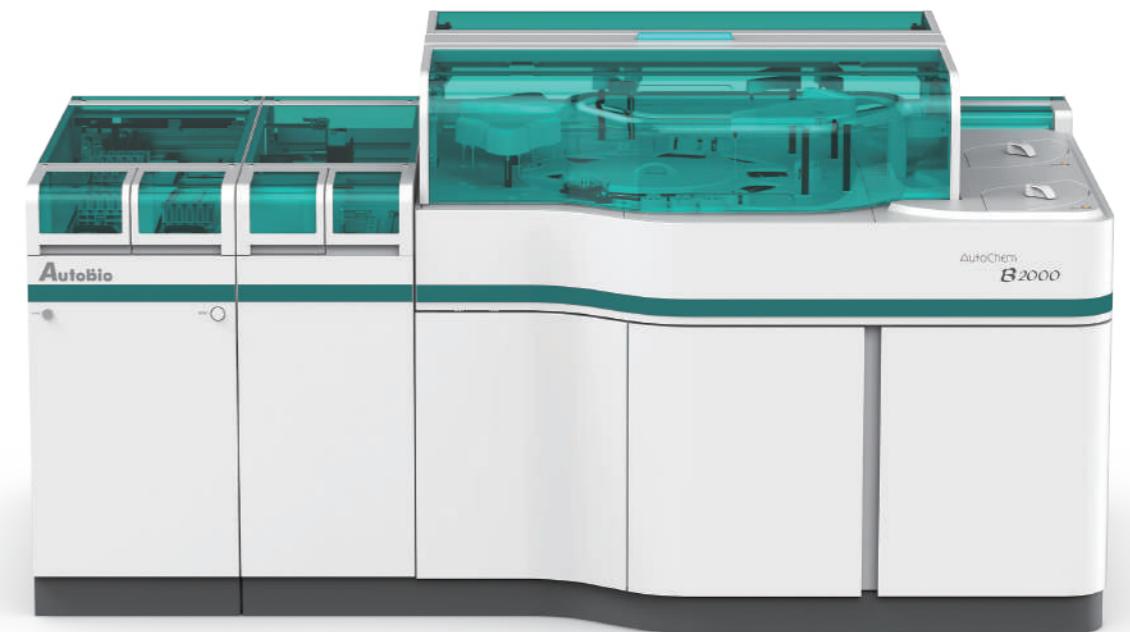


INNOVATION · MANUFACTURE · INTEGRATION · SERVICE

# AutoChem *B*2000 Series Automatic Chemistry Analyzer



## Autobio Diagnostics Co., Ltd.

offers more than 600 in vitro diagnostic products including CLIA (microplate based CLIA and magnetic particle based CLIA), ELISA, POCT (Point of Care Test), Microbiology and Biochemistry. As an ISO9001 and EN ISO13485 manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a reliable partner. For details please visit [en.autobio.com.cn](http://en.autobio.com.cn). Autobio Diagnostics Co., Ltd. | NO.87 Jingbei Yi Rd | National Eco&Tech Zone | Zheng zhou City | China 450016.

### You can find us on:

Facebook: @AutobioGlobal  
Youtube Channel: Autobio Diagnostics  
Email: [info@autobio-diagnostics.com](mailto:info@autobio-diagnostics.com)  
WhatsApp: +8618595767835  
Tel: +86 371 6200 7036



2024.12.24

[en.autobio.com.cn](http://en.autobio.com.cn)



# HIGH-QUALITY AND ACCURATE NEW EXPERIENCE, BIOCHEMICAL TESTING MORE SIMPLE

Efficiently



Accurate



Intelligent



Economics



9600<sub>T/H</sub>  
Maximum  
Expansion Capacity

150,000  
customer requests

42  
utility model and  
invention patents

AutoChem *B2000* Series

125+  
biochemical  
reagents fully  
adapted

180  
extra-large  
reagent positions/  
70ml

<0.1 ppm  
sample needle carry  
contamination



# AutoChem B2000 Series

Innovative design, Quality testing

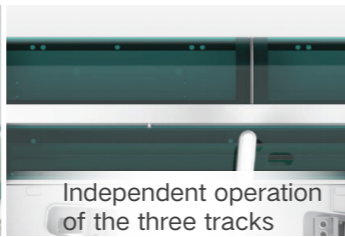
## High-speed travel



One-Step Emergency Care Initiation



Two independent sample needles

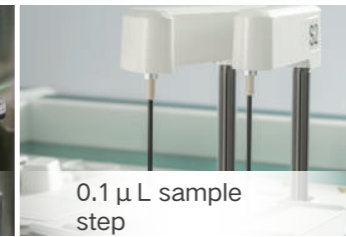


Independent operation of the three tracks

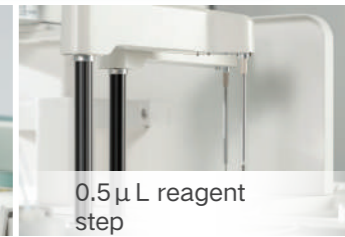
## High Precision Sampling



Durable Precision Piston Pumps



0.1 µL sample step

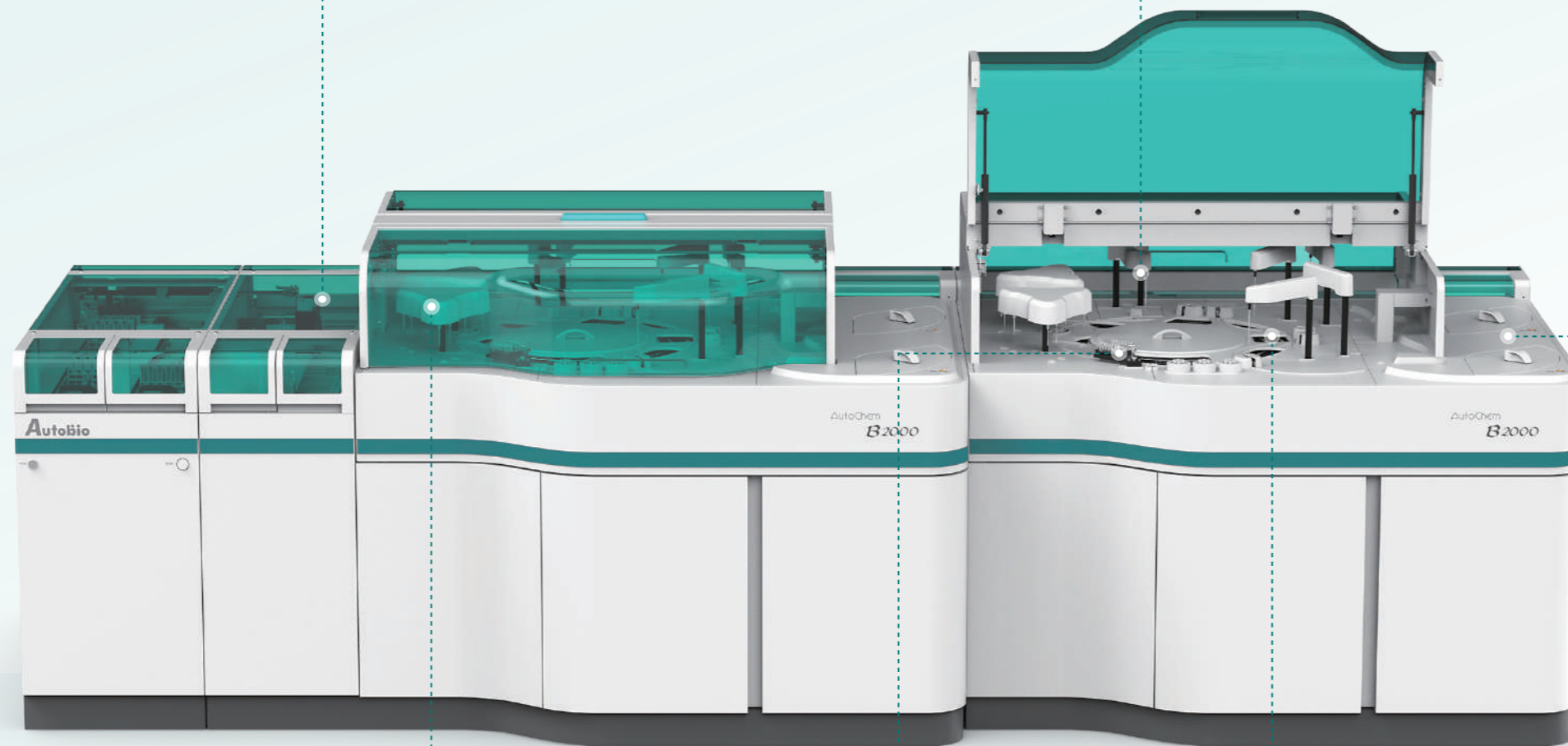


0.5 µL reagent step

## Extra Large Capacity ReagenTray



Supports non-stop reagent loading



## Intelligent Mixing



Optimal mixing speed for adapted projects

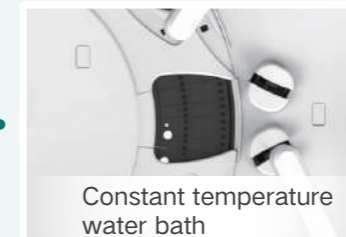
## Cleaning Mode



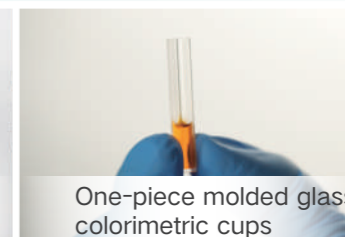
Full warm water wash



Patented technology for automatic dispensing of lotion



Constant temperature water bath

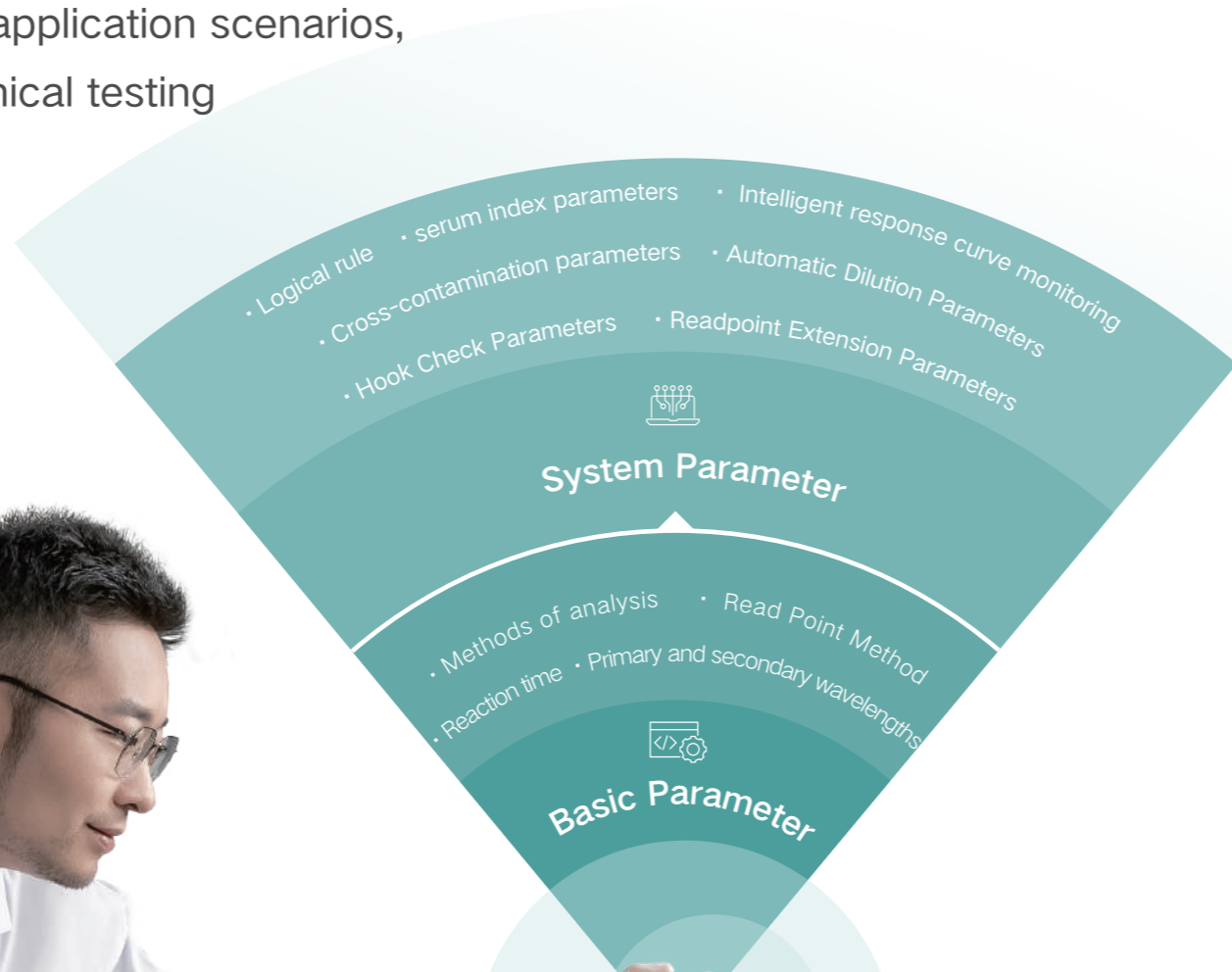


One-piece molded glass colorimetric cups

\* Patent name: One cleaning liquid proportioning device; Patent number: ZL 202320865631.4

# AutoChem B2000 Series

Easy to master all kinds of application scenarios, open the intelligent biochemical testing



**Breathing light**

- Remote sensing monitoring, peace of mind off the plane



**Instrument Status Management**

- Information integration, unified management
- One-click cut to the full view



**Reagent management**

- Simplified interface for easy operation
- Functional integration, convenience and clarity
- Scenario adaptation and flexible scheduling



**Reagent management**

- Five-color distinction, intuitive
- Intelligent alerts for peace of mind and safety
- Convenient statistics, intelligent sorting and printing



# AutoChem Series Biochemical Assay Solutions

Fully automated biochemical series solutions



## AutoChem B861

Analyzing speed: 800 T/H (optical)  
ISE: ISE: 600 T/H (optional)  
Size: 1570 × 952 × 1205 mm  
Weight: 400 kg

## Autolas Bi 1000

AutoLumo A2000 Plus  
AutoChem B801

Analyzing speed: 200 T/H (chemiluminescence)  
800 T/H (optical)  
ISE: 600 T/H (optional)  
Size: 3774 × 1205 × 1205 mm  
Weight: 953 kg



## AutoChem B2000 Dual Module

Analyzing speed: 4000 T/H (optical)  
ISE: 1200 T/H (optional)  
Size: 3830 × 1352 × 1205 mm  
Weight: 1223 kg

## Autolas Bi 2600

AutoLumo A6200  
AutoChem B2000

Analyzing speed: 600 T/H (chemiluminescence)  
2000 T/H (optical)  
ISE: 600 T/H (optional)  
Size: 3830 × 1352 × 1300 mm  
Weight: 1393 kg



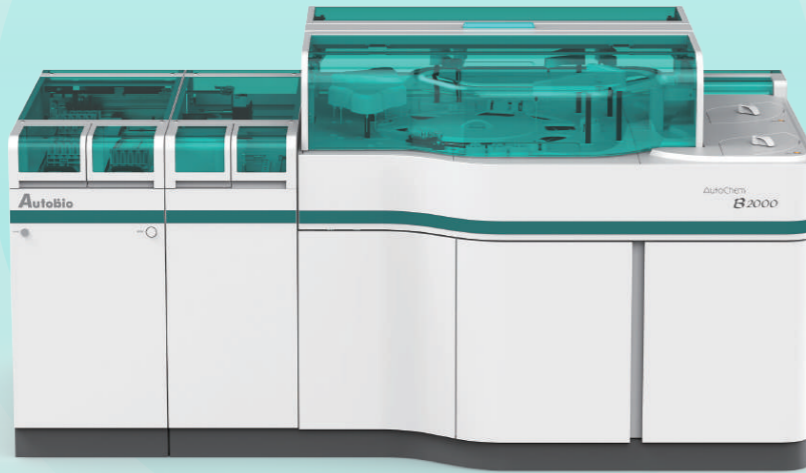
## Reagent Menu High quality and comprehensive

The rich biochemical reagent menu with fully automated biochemical analyzer AutoChem B2000 series, suitable for 125 tests, covering liver disease, kidney disease, cardiovascular disease, glucose metabolism disease, immune disease, pancreatic disease, gastric screening, coagulation and fibrinolytic disorders, microelements and ions, tumors and other 12 categories, to meet your needs for all kinds of clinical biochemical testing.



# AutoChem B2000 Series

## Basic Performance Parameters



### General Performance

**Throughput:** Maximum 2000 T/H for single module, optional ISE module, maximum throughput 2400 T/H  
Expandable to 4 modules, up to 8000 T/H, optional ISE module, up to 9600 T/H  
Methods of analysis Endpoint method, rate method, two-point method; ISE method (optional)

**Scalability:** Support with the same brand biochemistry module or chemiluminescence instrument on-line, but also can be upgraded to a full laboratory pipeline

### Sample System

**Sample types:** Whole blood, Plasma, Urine, Pleural effusion, and Cerebrospinal fluid

**Sample probes:** Liquid Level Detection, Clot Detection, Collision Avoidance Detection, Empty Suction Detection

**Sample Volume:** 1.5~35 µL, 0.1 µL Steps

**Sample position:** Maximum capacity of 305 samples (5 sample spaces/rack, including emergency spaces, can be added on a recurring basis)

### Reagent System

**Reagent tray:** Dual reagent trays, each tray has 90 reagent positions (70 mL reagent bottles), a total of 180 reagent positions

**Reagent probes:** Liquid Level Detection, Collision Avoidance Detection, Empty Suction Detection

**Reagent volume:** 15~250 µL, 0.5 µL steps

**Reagent replacement:** Supports non-stop replacement

### Reaction Unit

**Reaction cup material:** One-piece molded glass colorimetric cups

**Volume of reaction liquid:** 80~302 µL

**Temperature control of reaction plate:** Water bath

**Reaction temperature:** 37°C, fluctuation not more than ± 0.1°C.

**Reaction time:** 0~22 minutes can be set arbitrarily

**Stirring mode:** Independent motor. Stirring speed can be controlled independently

### Inspection Systems

**Light source:** Halogen lamp, life 2000 hours

**Wavelength:** 16 wavelengths

**Wavelength range:** 340~809 nm (340, 373, 406, 423, 456, 473, 506, 523, 556, 572, 605, 637, 669, 701, 748, 809)

**Photometric performance:** Absorbance linear range 0~3.5 Abs

### Environmental Requirements

**Dimensions:** Analysis module 1500 mm x 1352 mm x 1210 mm (L x W x H)  
Sample management module 450 mm x 1205 mm x 960 mm (L x W x H)  
Sample cache module 380 mm x 1205 mm x 960 mm (L x W x H)

**Dimensions:** ≤700 Kg

**Water consumption:** Maximum 90 L/h

**Dimensions:** 220 ± 22 V, 50 ± 1 Hz, 2900 VA for single analysis module, 3700 VA for single analysis module with sample management system

### Liver

5'-Nucleotidase  
Cholyglycine②  
Adenosine Deaminase  
Fibronectin  
Glutamate Dehydrogenase  
Glycyl Prolyl Dipeptide  
Aminopeptidase  
Glutathione Reductase  
Leucine Aminopeptidase  
Monoamine Oxidase  
Mitochondrial AST  
Alkaline Phosphatase  
Bilirubin Direct  
Bilirubin Total  
Ceruloplasmin  
Cholinesterase  
Total Bile Acids  
Albumin  
Gamma-GT  
ALT (GPT)  
AST (GOT)  
Total Protein  
Prealbumin

5'-NT  
CG  
ADA  
FN  
GLDH  
GPDA  
GR  
LAP  
mAST

### Gastric

Pepsinogen I  
Pepsinogen II  
H. pylori

### Renal

Microalbumin  
β-N-Acetylglucosaminidase  
Neutrophil  
Gelatinase-associated Lipocalin  
Retinol-Binding Protein  
Urine Transferrin  
Cystatin C  
Creatinine  
Urea  
Uric Acid  
CSF/Urine Protein  
α 1-Microglobulin  
α 2-Macroglobulin  
β 2-Microglobulin

PG I  
PG II  
mALB  
NAG  
NGAL  
RBP  
uTRF

### Lipids

Apo A1  
Apo All  
Apo B  
Apo CII  
Apo CIII  
Apo E  
HDL-C  
LDL-C  
Cholesterol Total  
Lipoprotein (a)  
Phospholipid  
Triglycerides

### Tumor Markers

Alpha-Fetoprotein  
Alpha-L-Fucosidase  
Carcinoembryonic Antigen  
Prostate-Specific Antigen  
Sialic Acid

AFP  
AFU  
CEA  
PSA

### Rheumatism & Immune

Anti-Streptolysin O  
Anti-Cyclic Citrullinated Peptide  
Rheumatoid Factor  
CRP  
IgA  
IgG  
IgM  
IgE  
C3  
C4

ASO  
CCP  
RF

### Cardiac

Homocysteine  
Heart Fatty Acid Binding Protein  
Ischemia-Modified Albumin  
Lactate Dehydrogenase  
Lactate Dehydrogenase 1  
Lipoprotein-associated phospholipase A2  
Myeloperoxidase  
Superoxide Dismutase  
α-Hydroxybutyrate Dehydrogenase  
CK  
CK-MB®  
cTnl  
Myoglobin  
hs-CRP  
sd LDL-C

HCY②  
H-FABP  
IMA  
LDH  
LDH1  
Lp-PLA2  
MPO  
SOD  
HBDH

### Inflammation

α 1-Acid Glycoprotein  
α 1-Antitrypsin  
Procalcitonin  
Serum Amyloid A

AAG  
AAT  
PCT  
SAA

### Anemia

Unsaturated Iron Binding Capacity  
G6PDH  
Haptoglobin  
Transferrin  
Ferritin

UIBC

### Coagulation

Antithrombin III  
Fibrin/Fibrinogen Degradation Products  
Fibrinogen  
D-Dimer

ATIII  
FDP

### Electrolytes

Sodium  
Potassium  
Ammonia  
Chloride  
Calcium®  
CO<sub>2</sub>  
Copper  
Iron  
Lithium  
Magnesium  
Phosphorus  
Zinc

### Others

Angiotensin Converting Enzyme  
25-OH VD

ACE