

Biossays® C8

Automatic Biochemistry Analyzer

Together with Snibe passion for innovation of **Biossays® C8**, the powerful performance and modular scalability enable your lab to realize full automation and maximize efficiency.



Exploring the new journey
for clinical chemistry management

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What can you benefit from Biossays® C8 technology?



Streamlined workflow

- Decapper module configurable, no manual operation required, largely improve labs efficiency



Super high throughput

- Up to 1600 tests/h (single module)
- Up to 6400 tests/h (four modules combined)



Flexible configuration to meet customized needs

- Capable to link with Laboratory Automation System (TLA/LAS)
- Random combination within 4 units according to testing demand
- Capable to integrate MAGLUMI® X8 (Biolumi® CX8)
- Capable to integrate decapper module





Washing

- 10-step washing technology ensures thorough washing
- Automatic distribution of warm water, acid and alkali liquid reduces the liquid consumption (Assay dependent)
- Independent agitation mechanism of washing liquid to reduce carryover and ensure a more thorough cleaning

Mixing and Incubation

- Full mixing with adjustable speed, the mixing speed of different reagents can be set independently
- Permanent quartz cuvettes, maintenance-free and no replacement required
- Solid heating with stable temperature control at $37 \pm 0.2^\circ\text{C}$

Pipetting

- Micro-sampling technology to ensure the sampling accuracy of the low-volume sample ($1.5 \mu\text{L}$)
- Liquid level, clot and collision detection technologies reduce sampling error rate
- Reagent probe: liquid level detection, collision detection

Measuring

- The precise control of temperature and voltage of light source lamp guarantee the small fluctuation of the light source and long life circle of lamp
- Concave holographic grating post-splitting technology: high resolution and low stray light
- High-performance measurement channels: high signal-to-noise ratio, small ripple and small fluctuation of temperature



Test Menu

Cardiac

CK
CK-MB
 α -HBDH
LDH
Hcy
LDH1
*D-Dimer
*ACE
*IMA
*MYO

Diabetes

GLU
LAC
HbA1c
GSP
D3H
GA

Inorganic Ion

Ca (OCPC)
P (PHOS)
Mg
*Ca (Arsenazo III)
*CO₂

Hepatic

TBA
ALT (SGPT)
AST (SGOT)
ALP
GGT
TBIL (Vanadate)
DBIL (Vanadate)
TP
ALB
Ammonia (AMM)
PA
CHE
AFU
5'-NT
Haptoglobin (HPT)
*TBIL (DPD)
*DBIL (DCA)
*CG (Latex)
*CG (CEDIA)
*GLDH
*ADA
*CER
*LAP
*GR

Inflammation

CRP (Full Range)

Lipids

HDL-C
LDL-C
TC
TG
ApoE
ApoA1
ApoB
Lp (a)
NEFA

Renal

Cr (CREA)
Uric Acid (UA)
Urea
Cys-C
 α 1-MG
 β 2-MG
mALB
Urine / CSF Protein
RBP
NAG

Pancreatic

α -AMY
LIP

Immune

IgM
IgA
IgG
*C3
*C4

Anemia

Transferrin (TRF)
Iron
UIBC
*G6PD
*Ferritin

Rheumatism

ASO
RF

ISE

Na⁺
K⁺
Cl⁻
Ca²⁺
pH

*Available soon

Technical Specifications

General information	
Test throughput (Theoretical max)	Single module: 1600 tests/h Four modules combined: 6400 tests/h ISE module: 300 tests/h
Sample positions	300
Sample barcode types	Code128, Code39, Code93, Codabar, 2/5 Interleaved
Emergency mode	STAT function available Continuous operation: additional sample loading during operation
QC types	Batch QC, Month QC
Dimensions	Biochemical module : 133*118*135 cm, 560 kg Sample area: 44*118*99 cm, 90 kg Decapper module: 58*118*135 cm, 170 kg
Biochemistry module	
Sample types	Serum, Plasma, Urine, CSF
Sample volume	1.5 - 25 μ L in 0.1 μ L steps
Sampling probe	Automatic washing, liquid level detection, clot detection, collision detection
Reagent compartments	72 positions each for R1 and R2
Reagent temperature	Working temperature: 8°C - 12°C Storage temperature: 2°C - 8°C
Reagent probe	Automatic washing, liquid detection, collision detection
Reaction cuvettes	362 cuvettes in total: 181 cuvettes each for two segments
Analysis time	10 minutes, 22 minutes
Reaction temperature	37.0°C $\pm$ 0.2°C
Reaction volume	80 μ L - 250 μ L
Wavelength	Photometer: 13 fixed wavelengths (340, 380, 405, 450, 480, 505, 546, 570, 600, 660, 700, 750, 800 nm)
Light source	12 V, 100 W halogen lamp
ISE module (configuration available)	
Sample volume	90 μ L
Information recognition	RFID
Electrode types	K ⁺ , Na ⁺ , Cl ⁻ , iCa ²⁺ , pH, reference electrode
Decapper module (configuration available)	
Throughput	Decapper speed: 500 tubes/hour Capper speed: 400 tubes/hour Combined speed for capper and decapper: 400 tubes/hour

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