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

www.snibe.com
sales@snibe.com

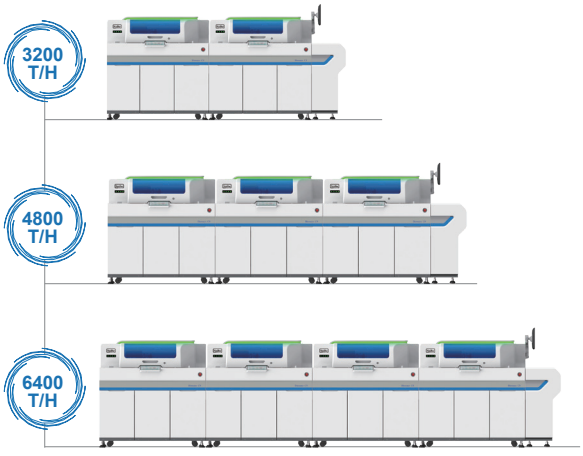
What can you benefit from Biossays® C8 technology?

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

Advanced intelligence

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

Pipetting

- Micro-sampling technology to ensure the sampling accuracy of the low-volume sample (1.5 μL)
- Liquid level, clot and collision detection technologies reduce sampling error rate
- Reagent probe: liquid level detection, collision detection

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±0.2°C

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

Anemia
Transferrin (TRF)
Iron
UIBC
*G6PD
*Ferritin

Pancreatic
α-AMY
LIP
*P-AMY

Diabetes
GLU
LAC
HbA1c
GSP
GA
β-Hydroxybutyrate
*Adiponectin (ADPN)

Rheumatism
ASO
RF

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)
ADA
LAP
GR
*Monoamine Oxidase
*DBIL (DCA)
*CG (Latex)
*CG (CEDIA)
*GLDH
*CER

Immune
IgM
IgA
IgG
C3
C4
*C1q
*Kappa Light Chain
*Lambda Light Chain

Renal
Cr (CREA)
Uric Acid (UA)
Urea
Cys-C
α1-Microglobulin
β2-Microglobulin
Urine / CSF Protein
mALB
RBP
NAG
*α2-Macroglobulin
*Urine-IgG

Cardiac
CK
CK-MB
α-HBDH
LDH
Hcy
LDH1
*D-Dimer
*ACE
*IMA
*MYO
*mAST
*hs-CRP

Inorganic Ion
Ca (OCPC)
P (PHOS)
Mg
Ca (Arsenazo III)
CO_2

Inflammation
CRP (Full Range)

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

ISE
Na^+
K^+
Cl^-
Ca^{2+}
pH

*Available soon

Technical Specifications

General information	
Test throughput (Theoretical max)	Single module: 1600 tests/hour Four modules combined: 6400 tests/hour ISE module: 300 tests/hour
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 µL in 0.1 µL 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 ± 0.2°C
Reaction volume	80 µL - 250 µL
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 µL
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

Snibe Diagnostic

Shenzhen New Industries Biomedical Engineering Co., Ltd.
(SNIBE Co., Ltd.)

No.23, Jinxiu East Road, Pingshan District, 518122 Shenzhen, P.R. China

Tel: +86 755 26501514 Fax: +86 755 26654850
Email: sales@snibe.com Web: www.snibe.com

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