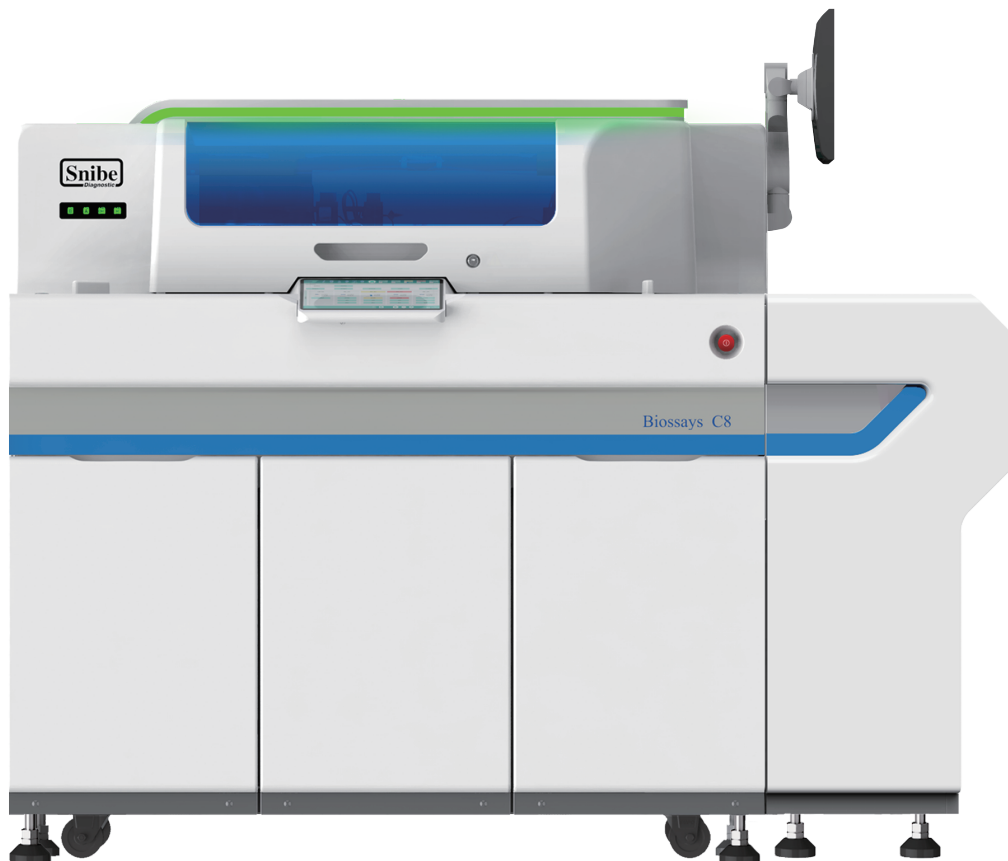


Biossays® C8

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?



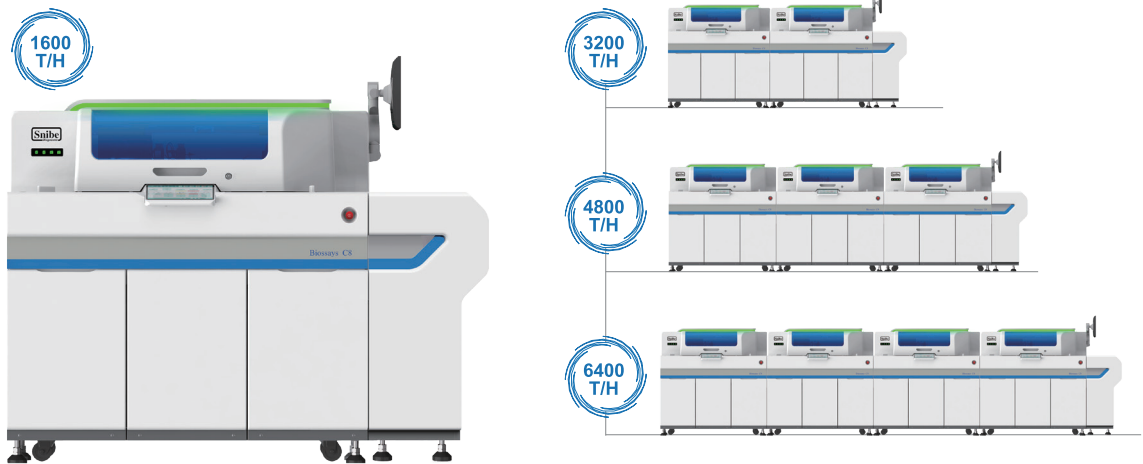
Streamlined workflow

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



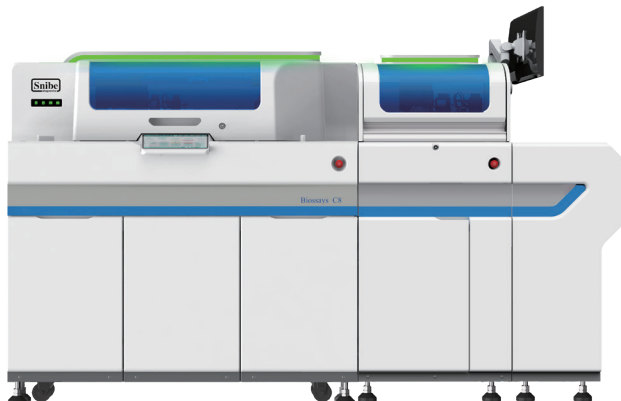
Super high throughput

- 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





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



Anemia Transferrin (TRF) Iron UIBC *G6PD *Ferritin	Hepatic TBA ALT (SGPT) AST (SGOT) ALP GGT TBIL (Vanadate) DBIL (Vanadate) TP ALB Ammonia (AMM) PA CHE AFU 5'-NT Haptoglobin (HPT) LAP GR ADA TBIL (DPD) *Monoamine Oxidase *DBIL (DCA) *CG (Latex) *CG (CEDIA) *GLDH *CER	Immune IgM IgA IgG C3 C4 *C1q *Kappa Light Chain *Lambda Light Chain	Cardiac CK CK-MB α-HBDH LDH Hcy LDH1 *D-Dimer *ACE *IMA *MYO *mAST *hs-CRP	Lipids HDL-C LDL-C TC TG ApoE ApoA1 ApoB Lp (a) NEFA
Pancreatic α-AMY LIP *P-AMY		Renal Cr (CREA) Uric Acid (UA) Urea Cys-C α1-Microglobulin β2-Microglobulin Urine / CSF Protein mALB RBP NAG *α2-Macroglobulin *Urine-IgG	Inorganic Ion Ca (OCPC) P (PHOS) Mg Ca (Arsenazo III) CO ₂	ISE Na ⁺ K ⁺ Cl ⁻ Ca ²⁺ pH *Li ⁺
Diabetes GLU LAC HbA1c GSP GA β-Hydroxybutyrate *Adiponectin (ADPN)			Inflammation CRP (Full Range)	
Rheumatism ASO RF				

*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 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

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