

# CHEMIFASTAR™

## New Generation POCT / Lab. Biochemistry Analyzer

- With mainstream and patented technologies
- Convenient and standardized
- Lower cost analyzer and lower maintenance
- Only about 20% test cost VS other similar POCT chemistry test
- Only 60% test cost VS semi auto biochemistry analyzer
- Just 300 $\mu$ L liquid reagent per test
- With complete test menu and methods as big fully auto biochemistry analyzer
- Both ready-to-use and self-prepare cartridge available

*Effectively improve both medical services and benefits!*



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#### 3 , Easy to operate (No analyzer parameter setting required)



Step 1: Add the sample into the cartridge



Step 2: Place the cartridge on the position



Step 3: Automatically test and print / upload reports (within 10-15 min)

\* Operator can easily and freely prepare any test menu when need.

#### Main advantages

- Integrated patents and new technologies;
- The clinical reference range of the results highly consistent with the mainstream big biochemical analyzers;
- Mainstream standards and controls suitable;
- Repeatability of test results CV : 0.2 % - 5.0% (based different methods);
- Fast: get the results within 10 ~ 15 minutes;
- Very low carry-over :  $\leq 0.1\%$  ;
- Very simple and convenient operation;
- Fixed test and random self-prepare cartridges both available;
- Low maintenance, 2 years warranty;
- Only 300 $\mu$ l liquid reagent per test.

#### Suitable for:

**emergency, small and medium hospital, pension / health institutions, army and field rescue, pet clinic, drunk driving and drug test, special tests, food quality control, environmental monitoring etc.**



## Both ready-to-use and self-prepare cartridges available

### I、Ready-to-use Cartridges

Item	Model/Application	Test item and Calculating result
1	RT-8, for chemistry routine test (15 cartridges/box)	ALT, GGT, ALP, TBIL, GLU, TG, UA, Crea. total 8 items.
2	RT-12, for chemistry routine test (10 cartridges/box)	ALT, AST, GGT, ALP, TBIL, Crea, UA, GLU, TG, CHOL, TP, ALB, GLO, A/G. Total 14 items(2 calculation items).
3	RT-24, for chemistry routine test (5 cartridges/box)	ALT, AST, GGT, TP, ALB, ALP, TBIL, DBIL, CK, CK-MB, LDH, $\alpha$ -HBDH, $\alpha$ -AMY, Crea, UA, UREA, GLU, TG, CHO, HDL-C, LDL-C, ApoA1, ApoB, TBA, GLO, B/C, A/G, IB. Total 28 items(4 calculation items).
4	EM-12, for emergency test ( 10 cartridges/box )	AST, ALT, CK-MB, LDH cTnI, GLU, $\alpha$ -AMY, Crea, CHE, K, Na, CO <sub>2</sub> , AST/ALT, Na/K. Total 14 items(2 calculation items).
5	IF-12, for inflammation test (10 cartridges/box)	AMY, Crea, SAA, AST, GGT, LDH, LPS, CRP, UREA, ALT, PCT, TBA, B/C. Total 13 items(1 calculation item).

### II、Reagents For Self-prepare Cartridges

Liver Function	ALT, AST, ALP, ALB, CHE, GGT, DBIL, TBIL, TP, TBA, PA
Renal Function	CREA, UREA, UA, CYS-C
Saccharides & Blood Fat	GLU, HbA1c, FMN, APOA1, APOB, CHO, HDL-C, LDL-C, TG, LP(a)
Cardiac	CK, CK-MB, $\alpha$ -HBDH, LDH, HCY, Tn
Inflammation/Rheumatism	CRP, C3, C4, SAA, PCT, RF, ASO, ENA-Ab, ANA, CCP
Pancreas & Specific Protein	IgA, IgG, IgM, $\alpha$ -AMY
Inorganic Ions	Ca, Cl, CO <sub>2</sub> , Mg, P, Na, K
Tumor Marker	CEA, AFP, AFU

1. SINNOWA is going to develop more reagents and cartridges, welcome to contact us for latest information.
2. Controls, calibrators are available from SINNOWA to ensure the more accurate test results.

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### Technical Specifications

Model	CH-24/CH-12	CH-V	CH-R
Application	Medical institution	Pet clinic	Scientific research institution/food quality/environmental monitoring
Samples	Serum, plasma, anticoagulant whole blood, urine and any liquid sample		
Test items	Routine biochemistry, liver function, renal function, blood lipid, glucose, ions, myocardial markers, Tumor markers, immune factors, alcohol, drugs, chemical components, etc.		
Methods	Kinetic, end-point, two-point, immunoturbidimetry, single bichromatic, single / dual reagent, one / multi-standard, serum blank, etc.		
Test menus	> 60 items and increasable		
CV	≤1.0%		
Out of range sample auto retest	Automatically retest out of range sample by auto dilution but no need any additional reagent or sample		
Through-put	Max 10-15 min/cartridge (due to different cartridge)		
Carry-over	≤0.1%		
Work environment	Temperature: 10-30°C, humidity: 30-85%		
Power supply	220V±22V, 50Hz±1Hz, 110V±11V, 60Hz±2Hz and 24V vehicle power supply		
Languages	English, others on request		
Data capacity	>1000 test data of samples, automatically save the latest 3×30 control data		
Barcode scan	Optional on request		
Communication ports	3×USB, 1×LAN, WLAN, LIS / HIS		
Data output	Built-in thermal printer. External printer or data output via PC or WIFI available on request		
Warranty	2 years		
Weight	12.5kgs		
Dimension	D42 x W27 x H33 cm		

• SINNOWA reserves the right to change the technical specifications without prior notice.

*Better performance, higher quality, but lower cost both the analyzer and reagent!*

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