

Fully Automated Clinical Chemistry Analyzer

ZY-1200



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High Efficiency

- Dual independent disc sampling system
- Dual disc large reagent system
- Optimized for emergency testing



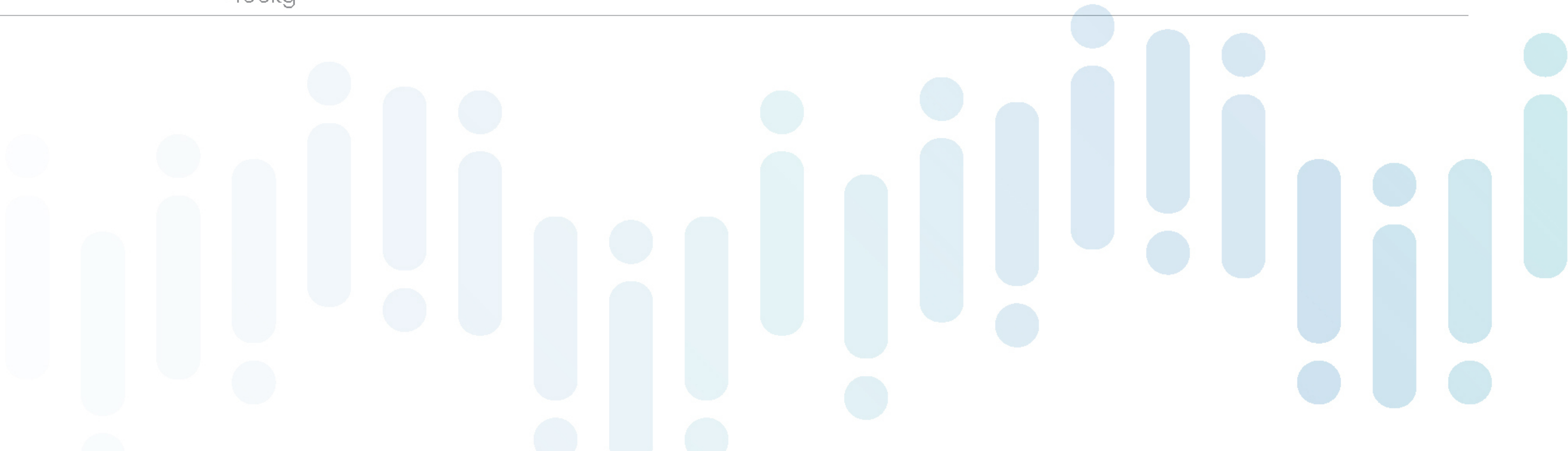
Accurate Results

- Minimum sample volume is 1.0 μ L, step by 0.1 μ L increasing
- Minimum reagent volume is 10 μ L, minimum reaction volume is 90 μ L
- Over 80 self-developed reagents to ensure accurate results



ZY-1200 Fully Automated Clinical Chemistry Analyzer Parameter Specification

Instrument Parameters	
Throughput	Photometric test: 800 tests/hour
System Function	Consecutive 24-hour operation. STAT sample priority, auto pre-dilution, serum index, remote diagnosis, auto retest, auto sleep and wake-up
Sample Type	Whole blood, serum, plasma, urine, cerebrospinal fluid, hydrothorax and ascites etc.
Analysis Method	One Point Method, Two Point Method, Kinetic Method, Fixed-time Method, ISE Potential Direct Measurement Method
Expanded Function	Online reagent loading function; enzyme linear expansion function; quantitative analysis of serum indices (lipidemia, hemolysis, jaundice)
Software Connection	Connectable to HIS, LIS systems
Sample System	
Sample Capacity	180 positions for various samples, extendable, dual circular disc design, and support barcode scanning (optional). 60 positions are calibration/QC with refrigeration (optional), and different samples can be mixed in positions
Sample Volume	1 ~ 70µL, step by 0.1µL increasing
Sample Probe	Liquid level detection, residual monitoring, collision protection, clot detection (optional), etc.
Sample Tube	Micro sample cup, blood collection tube, plastic tube, etc.
Reagent System	
Reagent Capacity	200 reagent positions, dual disks, barcode scanning available (optional); applicable for various category reagents.
Reagent Volume	10 ~ 350µL, step by 0.5µL
Reagent Probe	Liquid level detection, residual monitoring, collision protection, clot detection, etc.
Reagents Refrigeration	Allow consecutive 24-hour refrigeration at 2 ~ 8℃ temperature.
Reaction System	
Reaction Disc	Rotating disk, 160 cups
Cuvette	Semi-permanent plexiglass cuvette (plastic), optional permanent hard glass cuvette (glass); optical length: 5mm
Reaction Volume	90 ~ 550µL
Heating System	Automatic cycling liquid bath
Incubator Temperature	37℃, real-time display
Temperature Fluctuation	≤±0.1℃
Mixing System	Independent mix arm
Optical System	
Light Source	Halogen lamp, automatic sleep and wake-up
Photometer	Holographical flat-field grating array detection, spectroscopic technique
Wavelength	16 wavelengths, 340 ~ 800nm
Wavelength Accuracy	≤±1nm
Absorbance measurement range	-0.5 ~ 3.5Abs
Operating Conditions	
Power Supply	230V±23V, 50/60Hz
Input Supply	<1500VA (2000VA UPS is optional)
Deionized Water Consumption	<30 liter/H
Dimension	1508mm×865mm×1204mm
Weight	400kg



Clinical Chemistry Reagents Test Menu



Liver Function

- ALT
- AST
- ALP
- TP
- ALB
- PA
- TBA
- γ -GT
- TB
- DB
- CHE
- AFU
- GPDA
- ADA
- 5'-NT
- CG
- m-AST
- CIV*
- LAP*
- MAO*
- AMM*
- GR*



Renal Function

- CRE
- UREA
- UA
- UMA
- Cys-C
- RBP
- NAG
- NGAL
- β 2-MG
- α 1-MG
- CSF*
- LC λ *
- LCK*



Blood Lipid

- TC
- TG
- HDL-C
- LDL-C
- ApoA1
- ApoB
- Lp (a)
- ApoE
- sd-LDL-C
- Lp-PLA2
- MPO*
- PLIP*



Specific Protein

- IgA
- IgM
- IgG
- C3
- C4
- CRP
- hs-CRP
- WCRP
- RF
- ASO
- anti-CCP
- SAA
- PCT*
- MMP-3*
- Clq*
- SOD*



Myocardium

- LDH
- CK
- CK-MB
- α -HBDH
- HCY
- IMA
- ACE
- MYO
- H-FABP
- CTnI*
- LDH1*



Pancreas

- α -AMY
- LPS
- PAMY



Electrolytes

- Ca
- Mg
- IP
- CO₂
- K
- Na
- Cl
- Fe*
- Zn*



Glycometabolism

- GLU
- HbA1c
- D3H
- NEFA
- GA
- INS*
- GSP*
- LAC*



Tumor Marker

- SA
- PGI
- PGII
- Fer*
- SGF*



Others

- D-Dimer
- TRF
- FDP*
- Fbg*

*Coming soon

وستا تجهيز پارت

جردن، ناهید غربی، پلاک ۵۷، ساختمان وستا

www.vestablab.ir

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Shanghai Kehua Bio-engineering Co., Ltd.

Mail: International@skhb.com

Phone: +86-21-64950625

Website: https://www.skhb.com/en/

Address: 1189 North Qinzhou Road, 200233, Shanghai

Manufacture: Shanghai Kehua Laboratory System Co., Ltd.

Address: 2 Floor, Bldg 84, No.1198 North Qinzhou Road, Xuhui District, 200233, Shanghai