DIAGNO CARE

Unify Efficiency and Convenience

DC-300

Clinical Chemistry Analyzer

- "No-Wait" Emergency Test Mode
- Constant Test Speed of 300 T/H
- Stable & Reliable Clinical Chemistry Test

“No-Wait” Emergency Test Mode

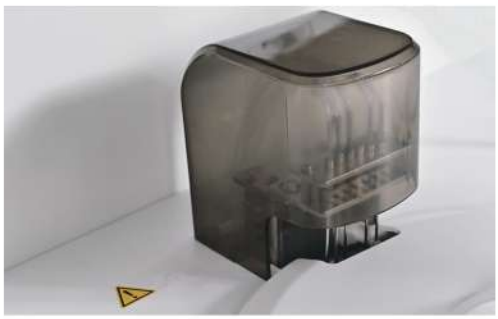
No need of pausing the testing procedure, emergency samples are given test priority and can be tested at any time during analysis.

- **Constant Testing Speed of 300 T/H**
- **Stable & Reliable Clinical Chemistry Test**

Sample and Reagent Unit

- 45 sample positions
- 90 reagent positions
- Built-in refrigeration system, continual 24-hour on-board cooling
- Built-in barcode reader for reagents and samples (optional item)

Reaction Unit



- 120 cuvettes, can be replaced separately
- The cuvettes are made of new-type non-crystalline optical plastic with better light transmittance
- Minimum reaction volume: 150 μL
- Stable and precise temperature control (37.0 ± 0.1°C)
- 5-step cuvette Wash Station, thorough cleaning

DC-300

Automatic Biochemical Analyzer

Highly-Efficient and Convenient Test

- Constant test speed of 300 T/H
- Emergency samples in test priority at any time
- LIS bi-directional connectivity
- Automatic test report printing

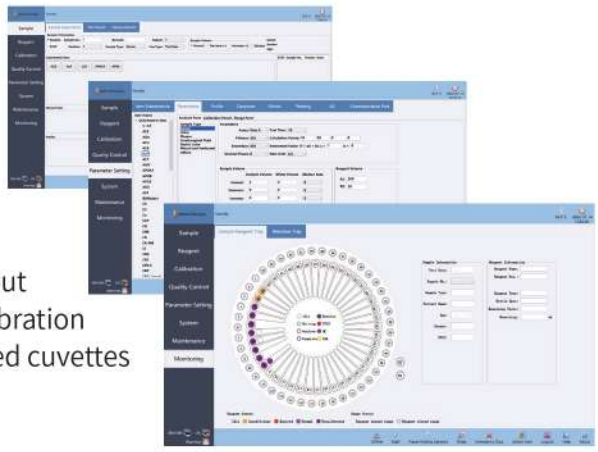
Multifunctional and Precise Sample Probe

- Highly-polished probe
- Automatic inside and outside probe washing, reducing cross contamination
- Highly sensitive liquid level detection sensor
- Actively monitoring reagent volume
- Protection of probe collision
- Auto adjustment of sampling depth of sample probe

Stirring Unit

- Independent stirring paddle
- Imported Teflon coating technology
- Effectively preventing cross contamination

Advanced Operation System



- Intuitive user-friendly interface, easy to learn and use
- Auto sample dilution
- Auto stopping and warning when reagents or samples run out
- Calibration with linear or non-linear curves. Multi-point calibration
- Automatically detecting cuvettes status and screening flawed cuvettes

Technical Parameters

Test Principles	Turbidimetry, colorimetry
Test Methods	Rate method, end point method, fixed-time method
Test Speed	Constant speed of 300 T/H
Sample Types	Blood, urine, hydrothorax, cerebrospinal fluid
Sample Volume	2.0 μL ~ 35.0 μL (stepped volume 0.5 μL)
Sample Positions	45 sample positions; 2 emergency sample positions
Reagent Volume	20 μL ~ 350 μL (stepped volume 1 μL)
Reagent Positions	90 reagent positions, refrigeration temperature: (6°C～12°C)
Cuvettes	120 cuvettes (5 × 6 mm), can be replaced separately
Reaction Volume	150.0 ~ 450.0 μL
Reaction Temperature	37.0 ± 0.1°C (constant temperature)
Light Source	Halogen lamp (20 W), over 2000 h lifetime
Optical Splitter	Optical grating
Detector	Photodiode array
Wavelength	340 ~ 800 nm, 13 wavelengths (340 nm, 380 nm, 405 nm, 450 nm, 480 nm, 505 nm, 546 nm, 570 nm, 600 nm, 660 nm, 700 nm, 750 nm, 800 nm)
Water Consumption	Less than 20 L purified water per hour
Dimensions	1060 mm × 660 mm × 1230 mm
Weight	140 kg

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TEST ITEMS

Liver Function

TBA	GPDA	CHE
ALT	GLDH	ADA
AST	CG	5' -NT
ALP	ALB	LAP
GGT	TB	MAO
TP	DB	GR
AMM	PA	

Renal Function

CRE-E	CysC
Urea	mAlb
UA	NAG
β_2-MG	RBP
CSF	

Specific Protein and Rheumatism

CCP	C3	IgM
ASO	C4	IgG
RF	IgA	TRF
CRP	hs-CRP	Fer
hs-CRP+CRP		

Glycometabolism

GLU-HK	HbA1c
GLU-OX	GA
FMN	LAC
D3-H	

Blood Lipids and Cardiovascular

TG	ApoB	ACE	NEFA
TCH	ApoE	Myo	IMA
HDL-C	Lp(a)	Lp-PLA2	
LDL-C	HCY	ApoA1	

Pancreatitis

LPS	AMY

Trace Elements and Electrolytes

Ca	CO_2	Na
Mg	Fe	Cl
P	UIBC	K

Myocardial Enzyme

CK	LDH
CK-MB	HBDH
CK-MB mass	LDH1

Venous Thromboembolism and Coagulation

D-Dimer

Gastric Function

PG I	PG II

Tumor

SA	AFU

DIAGNO CARE

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