



Chemistry Analyzer EXC400

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An automated floor-standing chemistry solution customized for medium to high throughput laboratories



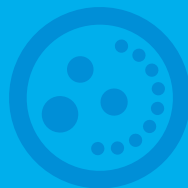
Chemistry



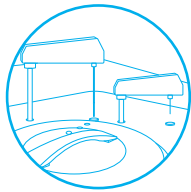
Chemistry Analyzer EXC400

(An automated floor-standing chemistry solution customized for medium to high throughput laboratories)

EXC400 is a floor-standing automated chemistry analyzer. It is the ideal solution for clinical chemistry determination in medium throughput laboratories. It is optimized for the use with Zybco reagents. In addition, with a comprehensive test menu and easy integration of STAT samples, it supports detection of both routine clinical panels and rapid turnaround critical care markers. Reagent refrigeration and continuous loading on the analyzer ensure the efficiency of operation. Reusable cuvette, less reagent consumption, long-life lamp result in a cost-effective system.

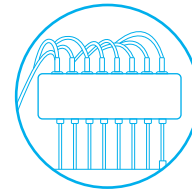


Function



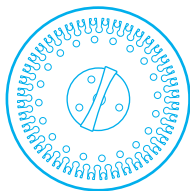
High Efficiency

- No compromised throughput, constant 400 T/H.
- Random prioritize STAT samples.
- Bilateral LIS allows convenient results transfer.
- Results can be printed automatically when sample test finishes.



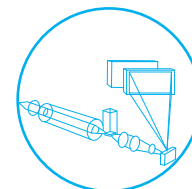
Less Maintenance

- Permanent quartz cuvettes and semi-permanent plastic cuvettes are optional.
- Solid heating and automatic cleaning, maintenance-free.
- Daily maintenance guide for probe, mixer, wash station.



Economic Usage

- Reaction volume: 90 μ L- 450 μ L.
- Water consumption: $\leq$ 19 L/H.
- Long-life lamp, up to 1,000 working hours.
- Less detergent for probe.



Reliable Quality

- Advanced grating for absorbance reading.
- 24-hour non-stop cooling to keep reagent in good condition.
- Advanced post spectrophotometry optical system, 12 wavelengths, 340-800 nm.
- High pressure wash probe both inside and outside
- Carry-over < 0.005 %.

Assay Menu

Zybio offers over 100 kinds of chemistry parameters, covering hepatic, renal, cardiac&cardiovascular, diabetes, coagulation, inflammation, pancreatitis, etc. Besides reagents for our own chemistry analyzer, we also provide customized reagents matching other brands. Flexible package can be customized according to client requirements.

- Ready to use
- Stable liquid
- Comprehensive menu
- Cost effective
- Bulk package available upon request

Hepatic Panel

ALB, TP, DBIL, TBIL, AST, ALT, ALP, GGT, TBA, PA, CG, ChE, 5'-NT, m-AST, GLDH, LAP, MAO, FN, ADA, GR, AAT, HAP

Renal Panel

UREA, UA, CREA, Cys C, RBP, α 1-MG, UTRF, β 2-MG, NGAL, NAG, mALB

Lipids Panel

CHOL, Apo A1, Apo B, Apo E, NEFA, TG, LDL-C, HDL-C, Lp(a)

Cardiac & Cardiovascular Panel

ACE, LDH, LDH1, CK, CK-MB, α -HBDH, MYO, cTnI, H-FABP, hs-CRP, HCY, Lp-PLA₂, MPO

Diabetes

GLU, HbA1c, GA, GSP, LAC

Tumor

PGI, PGII, SA, Fer

Coagulation

D-D, FIB, FDP

Specific Proteins

IgA, IgG, IgM, IgE, C3, C4, C1q, CSF/UTP, TRF, SOD

Rheumatic & Rheumatoid Panel

anti-CCP, RF, ASO

Electrolytes

Fe, Zn, CO₂, Ca, P, Mg

Inflammation

PCT, SAA, CRP

Pancreatitis

α -AMY, LPS

Specification

General Feature

Throughput:	Constant 400 T/H
Methodology:	End point, Fixed-time (two point), Kinetic
Sample capacity:	100 including 5 emergency positions
Sample volume:	1.5-45 µl
Sample probe:	Liquid level detection, auto-depth adjustment and collision protection
Probe cleaning:	Interior and exterior automatic probe cleaning
washing carry-over:	<0.005%

Reagent System

Reagent capacity:	80 refrigerated positions
Reagent type:	Liquid, ready-to-use

Reaction System

Cuvettes:	81 plastic cuvettes or quartz cuvettes (optional)
Reaction volume:	90-450 µl
Reaction temperature:	37 °C
Temperature fluctuation:	±0.1 °C
Mixing system:	Independent mixer with two heads

Control & Calibration

Control methods:	Real-time, intraday, interday control etc.
Calibration mode:	One-point, two-point, multi-point and logit-log4 P/5 P spline, line-graph method and etc.

Optical System

Light source:	Halogen-tungsten lamp
Wavelength:	340-800 nm, in total 12 wavelengths
Linear range:	0~4.0 Abs

Working Condition

Power supply:	100~240 V, 50/60 Hz
Cooling way:	Constant water cooling
Water consumption:	≤ 19 L/H
Dimension (mm):	820(L)*1250(W)*1100(H)
Weight:	250 kg

Operation Unit

Operation system:	Windows 10, support LIS
Host interface:	RS232, TCP/IP



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Chemistry