Reagents	
Liver Function	ALT，AST，ALP，GGT，TBIL，DBIL，TP，ALB，ADA，TBA，PA，LAP，CHE
Blood Lipid	TG，CHO，LDL-C，HDL-C，ApoA-I，ApoB，Lpa，NEFA
Renal Function	UREA，CREA-E，UA，Cys-C，RBP，UMA，B2M，α-AMY
Blood Sugar	GLU-H，HbA1c，FMN
Blood Gas & Electrolyte	Ca，Co_2，Mg，Fe，P
Special Protein	ASO，RF，CRP，hs-CRP，IgA，IgG，IgM
Myocardium Zymogram	CK，CK-MB，LDH，α-HBDH，HCY



OBio BA480

Auto Chemistry Analyzer

Technical specifications

General information	Machine type	Fully automatic analyzer, random access, STAT sample in priority
	Test speed	Chemistry: constant 400 tests/hour Chemistry+ISE(optional): constant 560 tests/hour
	Test principle	Colorimetric method, turbidimetry method, ISE method
	Test method	Endpoint method, fixed-time method (two-point method), kinetic method (rate method)
Reagent/Sample Unit	Sample tray	120 sample positions, 40 in outer circle, 40 in middle circle and 40 in inner circle. Outer and middle circles have 80 sample positions which can support barcode scanning, automatic dilution, retesting and manual retesting. Emergency samples can be inserted at any time and will be prioritized for processing.
	Sample probe	1 sample probe, liquid level detection, volume tracking, anti-collision, clog detection(optional)
	Sample volume	Chemistry: 1.5~45μL, step by 0.1μL ISE: 70μL (serum), 140μL (urine)
	Reagent tray	90 reagent positions, support bar code scanning, 24 hours uninterruptef refrigeration
	Reagent probe	1 reagent probe, liquid level detection, volume tracking, anti-collision function
	Sample volume	10~240μL, step by 1μL
Mixing system	Mixer	1 independent mixer
Reaction unit	Cuvette	80 reaction cuvettes, each with a light diameter of 5mm
	Reaction volume	70~315μL
	Temperature	37℃±0.1℃
	Cuvette washing	8 stages automatic washing with acid and alkaline cleaning solutions
Optical system	Light source	Halogen lamp, average lifespan of 2000 hours
	Wavelength	8 wavelengths, 340nm, 405nm, 450nm, 505nm, 546nm, 578nm, 630nm, 700nm
Built-in barcode scanning (optional)		Applicable to sample and reagent barcodes. Reading code formats: Codabar, ITF (Interleaved Two of Five), code128, code39, UPC/EAN, Code93
ISE module (optional)		K+,Na+,CL-
QC/Calibration	Calibration modes	K-factor method, two-point linear, multi-point linear, spline, polyline, exponential, Logit-Log3P, Logit-Log4P, Logit-Log5P
	QC Rules	Westgard, Levey-Jennings, Cumulative sum check, Twin plot
Operation system Unit	PC Operation system	Windows10 64bit and above editions
	System interface	TCP/IP network cable connection
Others	Power Supply	100~240V, 50/60Hz
	Rated power	500VA
	Dimension	1060*765*1150(mm)
	Weight	160 Kg

OBio...
Supporting Care to Cure
A Division of Orchard Medical

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OBio BA480

Auto Chemistry Analyzer



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OBio BA480

Auto Chemistry Analyzer



Independent and efficient mixing system

- Teflon coating mixer. No water dropping, effectively reduce cross-contamination
- Excellent mixing effect with standard mixing procedure

Precise and reliable sample system

- Highly anti-interference and ultra-high sensitivity liquid level detection technology, adopting multiple filtering techniques
- Equipped with acid and alkaline wash solution, effectively reducing cross-contamination and ensuring the accuracy of measurement data
- High precision ceramic syringe, accurate dispensing as low as 0.1 μL



Online loading of reagents

- 90 reagent positions, all positions support barcode scanning (optional), 24-hour continuous refrigeration function
- Achieve online loading and replacement of reagents easily without pausing
- The reagent probe can quantitative track. When the standard is exhausted, it will mask the test items and automatically mark and alarm to avoid result errors



Multiple optional modules

- Optional computer with touch screen, flexible & convenient
- Optional ISE module for more testing parameters
- Optional built-in barcode scanner



Advanced operating system

- User friendly software interface , simple, easy-to-operation
- Sample automatic dilution(decrease, increase, normal)



Sample optimization processing

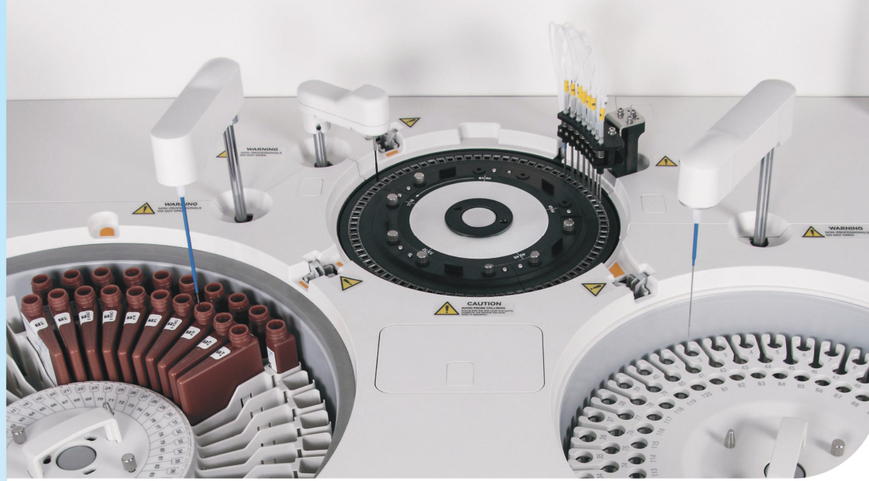
- 120 sample positions, 80 sample positions in centre and outside can support bar code reader (optional), automatic dilution, retesting and manual retesting
- Emergency samples can be inserted at any time and given priority for processing which is convenient and fast, making daily work smoother

Reaction tray is controllable with constant temperature

- Solid direct heating temperature control technology ensures uniform heating. The cuvette can be recycled which is economical and flexible
- The temperature of reaction tray is 37℃, control accuracy of ±0.1℃. It heats up quickly and requires no maintenance

Newly enhanced application functions

- Support for whole blood test (HbA1c)
- Easy to use, accurate and reliable



OBio Intelligent-Sampling technology creates an innovative platform for HbA1c detection, supporting whole blood testing, easy to use and highly accurate.

Convenient operation

No pretreatment is required, the whole blood sample can be directy loaded onto the machine
Intelligent-Sampling technology supports the absorption of RBC below the sample liquid surface

Accurate and reliable

The results are traceable. The Intelligent-Sampling sampling technology avoids errors caused by insufficient effective RBC sampling volume and provides reliable diagnostic data for clinical practice

