

Biochemistry Analyzer Catalogue

Semi-auto Biochemistry Analyzer

- 1. YJ-S5.....P2
- 2. YJ-S3002.....P4

Full-auto Biochemistry Analyzer

- 1. YJ-160.....P6
- 2. YJ-180.....P8
- 3. YJ-250.....P12

YJ-S5 Semi-auto Biochemistry Analyzer



Features:

- **Back spectro photometry**
- **8 standard filters**
- **Large LCD, built-in thermal printer**
- **Sold in the market for over 16 years, stable performance**

Performance:

- Back spectro photometry, 8 hard membrane filters, separate signal process circuit for each wavelength, filters select completed electronically, no mechanical movement
- Hermetic solid-state optical system, low contamination of dust and dampness, long life time of hard membrane filters
- Titanium alloy flow cell with small capacity and minimize cross-contamination
- 1000 patients test data and 200 test programs can be saved
- Clock CMOS chip inserted, no noise, high speed, easy maintenance
- 265x65 dot-matrix back light LCD, display character curve simultaneously

- Reasonable software, programmable biochemical test menu, Self-test program

Technical Specifications:

Analysis method	kinetics, end point, two point, etc.
Light source	halogen lamp 20w/12V, life time up to 2000hr
Optical system	340-800nm
8 standard filter	340, 380, 405, 492, 510, 546, 578, 630nm wavelength, accuracy;±2nm
Abs range	-2.500—2.5Abs, resolution,:0.001Abs
Flow cell	titanium quartz alloy, 33uL; optical path:10mm
Temperature	PELTIER elements, 25,30,37°C±0.1°C
Precision	error<1%, drift<5mAbs/hr
Printer	thermal printer, 58mm width paper
Keyboard	24 keys touch keyboard
Interface	RS232 serial
Dimensions	460(L)x380(W)x200(H)mm
Weight	9Kg(net), 10Kg(gross)

Working Conditions:

Temperature	0°C-40°C
Humidity	5-80%
Power supply	AC220V±15%, 50Hz, 70VA

Main Test Items List:

Liver function	ALT AST ALP T-BIL D-BIL TP ALB TTT CHE Nh3 γ-GT
Renal function	BUN CRE UA CO2-CP
Lipids	T-CHO TG HDL-C LDL-C
Cardiac function	CK CK-MB LDH HDBH
Others	GLU K Na Cl Ca

YJ-S002 Semi-auto Biochemistry Analyzer



Feature

- 7 inch Color LCD , Touch screen
- Flow cell and Cuvette test mode compatible
- Real time curve showing
- 7 wavelength , 90 test item pre-programmed
- Memory for 10,000 sample results
- Light source hibernate function making lamp life longer
- RS232 interface, PC connecting

Specification

Test mode	Kinetic, End point, Two point, Absorbance	
Wavelength	7 standard filters, 340, 405, 492, 510, 546, 578, 630 nm, 1 free position	
Wavelength precision	±2 nm, width ≤ 10nm	
Absorbance range	0~4.500 Abs	
Absorbance precision	outside 0.0001 Abs , inside 0.00001 Abs	
carry over	< 1%	
Repeatability CV	< 1%	
Incubator	37℃、30℃、25℃、Precision	±0.1℃
Sample volume	0~3000 uL (≥500uL recommend)	
Data Storage	≥10000	

Quality control curve	\bar{X} 、SD、CV%、L-J quality control curve for every test item
Flow cell	32 uL quartz glass, 10 mm
Lamp	Philips 6V 10W Halogen Lamp with long life
Screen	7 inch color LCD
CPU	ARM series high speed micro CPU
Printer	Internal thermal sensitive printer
Interface	RS-232
Work Environment	Temperature 0°C ~ 40°C, Humidity≤80%
Power supply	100~240VAC, 50-60Hz, 100VA
Dimension	340(L)*270(W)*160(H)
Weight	5 kg

Usual test list

Liver function:

ALT AST ALP T-BIL D-BIL TP ALB TTT CHE Nh3

Renal function :

BUN CRE UA URE CO2-CP γ-GT

Lipids:

T-CHO TG HDL-C LDL-C

Cardiac function:

CK CK-MB LDH

Immune proteins:

IGA IGG IGM C3

Others:

GLU HGB AMS

FAQ:

Q:It's open system or not?

A:yesd,open system

Q:what kind of reagent dose it can use ?

A:Fox example:Randox,Biorad

Q:Test items

A: All biochemical items can be tested.you can reference our catalogue.

Q:How long does each test take?

A:Different reagents,the reaction time is different

Q:Do you have stock ?

A:Sufficient source of goods.

YJ-160 Biochemistry analyzer



Product Description

1. Batch analyzer
2. Insert STRT sample at any time during testing.
3. Intelligent multi task software .
4. User-friendly software in english, french, spanish, russian versions and other luanage software available on request.

5.Perfect quality control function with Levy-jennings chart and westguard analysis available.

6.Automatic flow cell washing and probe washing between each test to effectively minimize carry-over.

7.Auto-check and auto-alarm to ensure the analyzer in good condition.

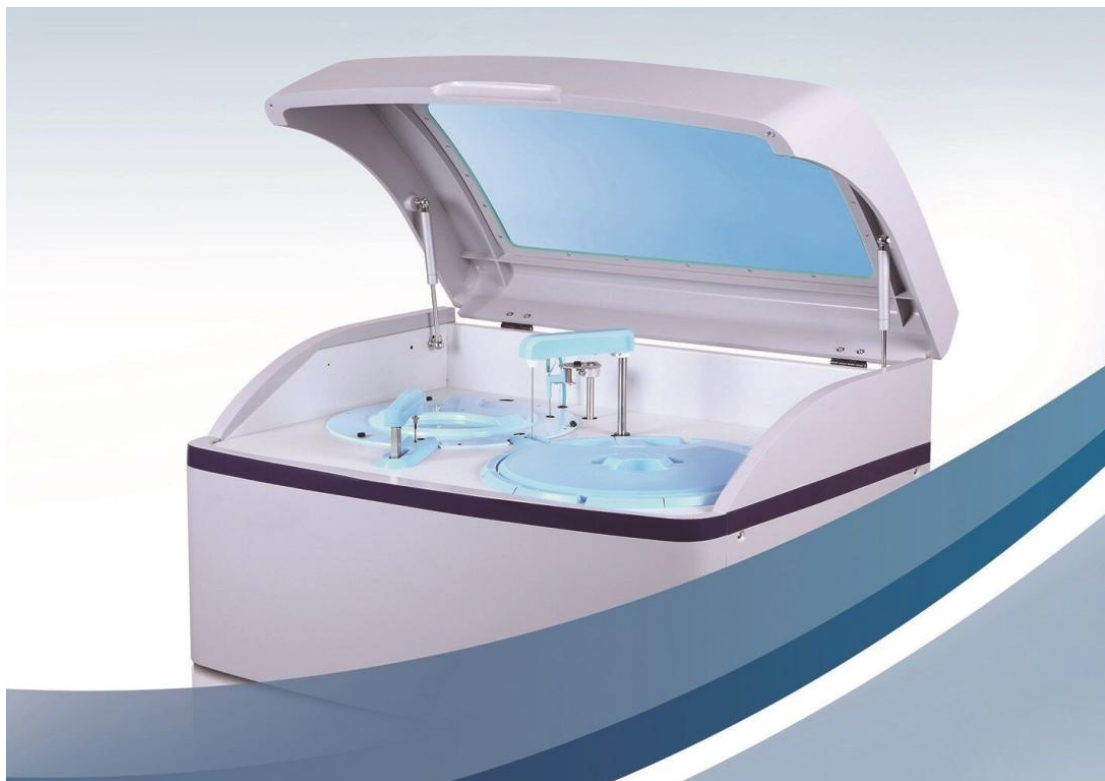
8.New long life pump, no tubing wearing problem any more.

9.Less service and maintenance needed.

Technical Specification:

Model	YJ-160
Assay Model	Random access with direct reading system
Assay Item	36 assay
Throughput	1 Reagent:220 test/h(max); 2 Reagent: 160 test/h;
Sample Position	50
Sample Volume	1-100ul,0.1ul/step
Reagent Position	36
Reagent Volume	R1:1-400ul,1ul/step R2: 1-400ul,1ul/step
Wavelength	340-810nm
Light source	Halogen lamp
Method	End point, Kinetic, Fixed time, Immunoturbidimetry,1-2reagen, Mutistandard,reagen/serum blank,etc
Quality Control	Levy Jennings quality control program at 3 levels
Printer	Multiple report formats available

Laboratory Automatic Biochemistry Analyzer YJ180



High End Full Automatic biochemistry analyzer

Specification: Throughput constant 180 T/h or 300T/h, best for middle or small size hospital Closed integrated photovoltaic systems, no mechanical parts, maintenance free Minimum reaction volume is 150ul, cost saving Discrete, random access, automatic Random choice of method, the real discrete automatic chemistry analyzer. This automatic chemistry analyzers have gained a lot of national patents during the researching.

Analyze Unit

1. Throughput: constant 180 T/h, 81 reaction cuvette positions, multi-channel testing together.
2. Minimum reaction volume is 150 μ l, cost saving.
3. Determined by the sample sequence, inserted at any time emergency.
4. Heating method: Direct thermal solid thermostat closed. Optical Unit1. Closed integrated photovoltaic systems, no mechanical parts, maintenance free.
2. Light Source: Halogen-tungsten lamp;
3. Lifetime \geq 2000 h.
4. 8 Wavelength, support single or dual wavelength. Reagent Unit1. 60 reagent positions.

2. Automatically detect the amount of reagent remaining, displayed in real time the remaining amount of reagent.
 3. 15ml, 20ml, 30ml, 50ml or 70ml reagent bottle. Dead volume <1.0 ml.
 4. Support for single and double reagent, reagent completely open. Internal barcode reader (option). Sample Unit 1. 60 sample positions.
 2. Testing according setting, random access.
 3. Real time display of testing status.
 4. Internal barcode reader (option). Reagent/Sample handling Unit 1. Intelligent liquid detection & collision protection (Red light: collision; Blue light: detection of the liquid).
 2. Reagent volume: 2 ~ 500 μ l, step by 1 μ l .
 3. Probe cleaning: automatically washing for both inside and outside, carry over 0.1%.
 4. Automatically dilute and retest. Calibration and quality control Unit 1. Linear curve type: Single-point linear, two-point linear and multi-point linear.
 2. Nonlinear curve type: Logit-4p, Logit-5p, polynomial, factor.
 3. Automatically use best calibration curve and standard.
 4. Quality control chart: L-J, Westgard TwinPlot, Cumulative. Operation Unit 1. Operation system: Windows XP/Office 2000, interface is intuitive and operate it easily, arbitrary operating authority; No restrictions on the amount of time and storage, permanent preservation of various types of data, automatic storage and backup.
 2. Can print the contents of any custom; Offers a variety of print formats.
 3. Help and operation guide on line in English.
 4. No restrictions on setting test parameters.
 5. Unique password for user management, rational allocation of user rights.
 6. Real time display of testing status, the remaining amount of reagent, testing status, reaction curve and the test progress.
 7. Real time display of reaction plate temperature.
- RS-232 standard interface, support for the hospital network, print reports remotely.
- Others 1. Temperature: 10-30 degree
2. Humidity: less than 70%.
 3. Try to avoid strong light.
 4. Floor level up: less than 1/200.
 5. Barometric: 86.0kPa-106.0kPa.
 6. Power Supply: AC 220V \pm 22V 50Hz \pm 1 Hz.
 7. Water consumption: less than 6L/h.
 8. Frequency: 550 VA.
 9. Dimension: 782mm \times 581mm \times 545mm
 10. Weight: 60kg
- Test projects 1. ALT, AST, TP, ALB, TBIL, DBIL, ALP, r-GT, CHE, TBA, 5-NT
2. UREA, CR, UA, TCO2

3. CHOL, TG, HDL, LDL, ApoA, ApoB, LpA
4. AMY, LIP
5. GLU, GSP
6. CK, CK-MB, α -HBDH, LDH, MB
7. CRP, RF, ASO

Parameters:

Model	YJ-180	
Analyze Unit	Throughput	Up to Constant 200T/h (non-ISE)
	Theory	Absorption spectrometry, transmission turbidimetry
	Methodology	End-point \Fixed-time\Kinetic\Ion selective electrode
Test according set up, random access	Reaction plate	Contain 81 reaction cuvettes
	Maximum reaction time	15 minutes
	Minimum reaction volume	150 ul
	Material of cuvettes	Special UV-transparent optical glass
	Cuvettes use	Automatically cuvettes washing
Optical Unit	Light Source	Halogen-tungsten lamp
	Photometer	Reversed optics
	Wavelength	340nm-900nm wavelength option
	Absorption	0-4 Abs
Reagent Unit	Reagent plate	60 reagent positions ,support for single and double reagent, reagent completely open
	Reagent storage temperature	2~10 degree
	Reagent bottle	15ml, 20ml, 30ml, 50ml or 70ml ,dead volume is less than 1.0 ml
	Reagent volume	20-500 ul, step by 1.0 ul
	Reagent/Sample Probe	Automatically checked ;Patent technology liquid level detection;Collision protection probe cleaning:Automatic washing for both inside and outside.
Sample Unit	Sample plate	30 sample positions
	Sample type	Human (animal) serum \plasma\urine etc.
	Samples cup	Support one-off micro cups
	Sample volume	2-100 ul, step by 0.1 ul
	Sample/reagent probe	Automatically checked ;Patent technology liquid level detection;Collision protection probe cleaning:Automatic washing for both inside and outside.
Temperature control Unit	Heating method	Direct thermal solid thermostat closed
	Temperature equilibrium time	<3 minutes

	Reaction temperature	37 ±0.1 degree
	Temperature fluctuation	±0.1 degree
Operation Unit	Software	WindowsXP \2000
	Database	SQL Server
	Data Storage	Automatic store & copy; No time and volume limit; Lifetime preservation
	Print format	Can be set up, offer several standard format
	Calibration mode	Linear curve type: Single-point linear, two-point linear and multi-point linear none linear; Curve type: Logistic-Log 4P, Logistic-Log5p, Spline, index automatically use best calibration curve and standard
	Quality control methods :	Real time, within day & between day
	Quality control diagram	L-J \cumulative\twin plot
	Status display	Real time monitoring of reagent residual volume .Running status of reagent tray, samples tray
	Adjustment	Dynamic and real time display of running status; Intelligent carry over settings to adjust test sequence; original reaction data record; Detail profile of alert messages
	Setting	Operation permission setting, Item setting, cross pollution setting, cuvette blank setting
Others	Water consumption : < 6L/h	Power Supply :AC 220V±22V 50Hz±1Hz
	Frequency :Maximum 600VA	Dimension :782mm×581mm×545mm
	Net Weight : 60kg	Accessory :Software

Note:We provides you with 12-24 months free repair guarantee for main unit, 12 months free repair guarantee for probe and 6 months free repair guarantee for the optional parts respectively. More information for our products and service, please turn to our official website or contact us directly.

YJ-250 Full Auto Biochemistry Analyzer

Packaging & Delivery

Packaging Details Wooden case packing

Size: 106x89x77cm

G.W: 133.0kgs

Delivery Time 3-7days after receiving payment

Advance Hospital Equipment Lab Full Auto ISE Biochemistry Analyzer Machine



Main Advantages of Biochemistry Analyzer :

- 1.New concept and more friendly software.
- 2.New techniques and spare parts used for much better quality and function.
- 3.Automatic washing station for both sample and reagent probe.
- 4.Liquid level detection and collision protection for both sample and reagent probe
- 5.Reliable cooling system for reagent chamber.
- 6.Powerful reaction cuvette washing system.
- 7.ISE module and barcode scanner(option).
- 8.Lower waste and more environment friendly.
- 9.New concept test control system available(on request).

Specifications:

Model	YJ-250 Biochemistry Analyzer
Assay Model	Random Access with direct reading syatem
Method	End point,Kinetic,Fixed time,Immunturbidimetry,1-2

		reagent,Multistandard,reagent/serum blank,etc
Assay Item		40 assay
		ISE mould (Na ⁺ ,K ⁺ , Cl ⁻ /Li ⁺) available on request
Throughput	1Reagent	257 tests/hour
	2Reagent	150 tests/hour
	With ISE	+120 tests/hour
Test Menu		T.BILI r-GT/GGT CHO Ca APOB-1/B CHE
		D.BILI ALP/AKP TG CL APOB CREA
		TP UREA CK P CK-MB Mg
		ALB CREA LDH C ASO AFU
		Lactic Acid ALT/GPT UA a-HBDH CO2 FMN
		LP(a) AST/GOT GLU AMY LDL-C HDL-C
		CHE LA TBA ADA HA-CRP PA
		FE Cu Zn C3 C4 IgG
		IgM IgA and drug ,toxicity ,etc
Sample Position		60
		Including standard,control and stat,either serum cup primary tube available
Sample Volume		1~100ul,0.1ul/step
Reagent Position		40 or 80 (optional)
Reagent Volume		R1:1~400ul,1ul/step ,R2:1~400ul,1ul/step
Reagent/Sample Probe		With liquid level sensor,collision sensor,teflon coating and automatic washing station
Reaction Time		0~999 seconds
Cuvette		High quality uv-transmitted plastic cuvette,Quartz glass cuvettes
Cuvette Washing		8 channels automatic washing system for reaction cuvettes
Probe And Mixer Washing		Independent washing station for each sample/reagent probe and mixer
Alarm		Automatic alarm for malfunction(eg:collision,reagent/sample insufficiency,full waste container,etc)
Callibration		Linear,Non-linear,Multi standard ,K factor
Sample Dilution/Retest		Sample can be diluted and retested if results are out of range or sample is insufficient,Also with calibrator auto diluting function
Wavelength		340~810nm
Light Source		Halogen lamp
Absorbance Resoulution		0.0001A
Absorbance Accuracy		±0.0003A(0-2.5A)
Repeatability (CV%)		≤2 %
Quality Control		Levy Jennings quality control program at 3 levels

Bar Code	Optional
Printer	Multiple report formats available
Test Control Function	New card control system available on request
Language	English,French,Spanish,German,Russia.etc
System	Windows XP or Vista ,Windows 7
Power Supply	220V/50HZ or 110V/60HZ (optional)
Dimension	85*72*53(cm)
Weight	85kg

Auto Biochemistry Analyzer is our new designed laboratory popular chemistry analyzer.Perfect designing with table top style,make it much fashion in your lab.And it can be produced by OEM style.

Choosing Reasons:

- 1,ISE for K,Na,Cl,Ca,PH is available.
- 2,Multi language:Chinese & English & Spanish.
- 3,OEM is acceptable.

Note:1,One year quality guarantee and 24 hours phone service for all the products supplied.2,Training Service Supplied!

