



## AUTO CHEMISTRY ANALYZER

# AUTO CHEMISTRY ANALYZER

Auto Chemistry Analyzer used to measure different chemicals and clinical chemistry of human biological samples. Used in Research,Hospital,Clinical chemistry,Laboratory,Pharmaceutical.  
Also known as Routine biochemistry analysers.

## BANA-801 AUTO CHEMISTRY ANALYZER



37 Sample positions.  
28 Reagent positions.  
48 Reaction cuvettes.  
200 Tests per hour.  
Probe with anti-collision function,liquid level detection function.

## SPECIFICATIONS

Model	BANA-801
Overall Performance	
Throughput	200 Tests/hour
Analysis Method	End-point, Fixed-time, Rate(Kinetic)
Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	
Sample Positions	37 sample positions
Reagent Positions	28 reagent positions
Sample Volume	2~70 µl
Reagent Volume	20~350 µl
Probe	Teflon coating, with anti-collision function, liquid level detection function
Probe Washing	Automatic washing interior and exterior
Reagent Cooling	Refrigerated tray with independent switch
Reaction System	
Temperature Control	37± 0.2°C
Cuvettes	48 reusable cuvettes, optical length 6 mm
Mixer Probe	Independent stirring
Washing	Automatic cuvettes washing
STAT Function	YES
Optical System	
Light Source	6 V/10 W halogen lamp
Spectrophotometry	Post-spectral spectrophotometry
Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800 nm
Absorbance	0~3.0 Abs
Calibration & QC	
Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P

Quality Control	Real-time QC, Westgard multi rule, Cumulative sum check, Twin Plot(2D)
Data Management	
Software	Windows 7/8/10, 32 or 64 bit
LIS System	Bi-direction, support HL7 protocol
Interface	LAN port access
Printer	External, multiple reporting mode available
Working Conditions	
Power Supply	AC220 V±10%, 50/60 HZ, 110 V±10%, 60 Hz, 300 W
Temperature	15~30 °C
Water Consumption	Deionized water: <5L/H
Humidity	40 %~85 %
Size & Weight	
External Size (W*D*H)	625x425x460 mm
Net Weight	36 kg
Package Size (W*D*H)	728x530x884 mm
Gross Weight	55 kg

## BANA-802 AUTO CHEMISTRY ANALYZER



49 Sample positions.  
 56 Reagent positions.  
 120 Reaction cuvettes.  
 200 Tests per hour.  
 Probe with anti-collision function, liquid level detection function.

## SPECIFICATIONS

Model	BANA-802
Overall Performance	
Throughput	200 Tests/hour
Analysis Method	End-point, Fixed-time, Rate(Kinetic)
Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	
Sample Positions	49 sample positions
Reagent Positions	56 reagent positions
Sample Volume	2~70 µl
Reagent Volume	20~350 µl
Probe	Teflon coating, with anti-collision function, liquid level detection function
Probe Washing	Automatic washing interior and exterior
Reagent Cooling	Refrigerated tray with independent switch
Reaction System	
Temperature Control	37 ± 0.2°C

Cuvettes	120 reusable cuvettes, optical length 6 mm
Mixer Probe	Independent stirring
Washing	Automatic cuvettes washing
STAT Function	YES
Optical System	
Light Source	12 V/30 W halogen lamp
Spectrophotometry	Post-spectral spectrophotometry
Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800 nm
Absorbance	0~3.0 Abs
Calibration & QC	
Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
Quality Control	Real-time QC, Westgard multi rule, Cumulative sum check, Twin Plot(2D)
Data Management	
Software	Windows 7/8/10, 32 or 64 bit
LIS System	Bi-direction, support HL7 protocol
Interface	LAN port access
Printer	External, multiple reporting mode available
Working Conditions	
Power Supply	AC220 V±10% 50/60 HZ, 110 V±10% 60 Hz, 300 W
Temperature	15~30°C
Water Consumption	Deionized water: 5L/H
Humidity	40 %~85 %
Size & Weight	
External Size (W*D*H)	950x603x510 mm
Net Weight	65 kg
Package Size (W*D*H)	1085x700x1012 mm
Gross Weight	140 kg

## BANA-803 AUTO CHEMISTRY ANALYZER



60 Sample positions (90 sample positions optional)  
 90 Reagent positions.  
 120 Reaction cuvettes.  
 400 Tests per hour.  
 Probe with anti-collision function, liquid level detection function.  
 Built-in sample barcode system optional

## SPECIFICATIONS

Model	BANA-803
Overall Performance	
Throughput	400 Tests/hour

Analysis Method	End-point, Fixed-time, Rate(Kinetic)
Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	
Sample Positions	60 or 90 sample positions, built-in barcode system available
Reagent Positions	90 refrigerated reagent positions
Sample Volume	1~70 µl
Reagent Volume	10~350 µl
Probe	Teflon coating, with anti-collision function, liquid level detection function
Probe Washing	Automatic washing interior and exterior
Reagent Cooling	2~8 °C
Reaction System	
Temperature Control	37± 0.1°C, real-time monitoring
Cuvettes	120 reusable cuvettes, optical length 6mm
Mixer Probe	Independent stirring
Washing	Automatic cuvettes washing
STAT Function	YES
Optical System	
Light Source	12 V/30 W halogen-tungsten lamp
Spectrophotometry	Post-spectral spectrophotometry
Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800 nm
Absorbance	0~3.5Abs
Calibration & QC	
Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
Quality Control	Real-time QC, Westgard multi rule, Cumulative Sum Check, Twin Plot(2D)
Data Management	
Software	Windows 7/8/10, 32 or 64 bit
LIS System	Bi-direction, support HL7 protocol
Interface	TCP/IP Network interface
Printer	External, multiple reporting mode available
Working Conditions	
Power Supply	220 V±10% 50/60 HZ, 110 V±10% 60 Hz, 500 VA
Temperature	15~30°C
Water Consumption	Deionized water:10 L/h
Humidity	40%~85%
Size & Weight	
External Size (W*D*H)	1170x775x1145 mm
Net Weight	190 kg
Package Size (W*D*H)	1348x928x1377 mm
Gross Weight	257 kg

# BANA-804 AUTO CHEMISTRY ANALYZER



600 Tests per hour  
 120 Reaction cuvettes.  
 180 Refrigerated reagent positions  
 Built-in sample barcode system optional  
 90 Sample positions (120 sample positions optional)  
 Probe with anti-collision function, liquid level detection function.

## SPECIFICATIONS

Model	BANA-804
Overall Performance	
Throughput	600 Tests/hour
Analysis Method	End-point, Fixed-time, Rate(Kinetic)
Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	
Sample Positions	90 sample positions, built-in barcode system available
Reagent Positions	180 refrigerated reagent positions ( R1: 45 & R2: 45)
Sample Volume	1~70 µl
Reagent Volume	10~350 µl
Probe	Teflon coating, with anti-collision function, liquid level detection function
Probe Washing	Automatic washing interior and exterior
Reagent Cooling	2~8 °C
Reaction System	
Temperature Control	37± 0.1°C, real-time monitoring
Cuvettes	120 reusable cuvettes, optical length 6mm
Mixer Probe	Independent stirring
Washing	Automatic cuvettes washing
STAT Function	YES
Optical System	
Light Source	12 V/30 W halogen lamp
Spectrophotometry	Post-spectral spectrophotometry
Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800 nm
Absorbance	0~3.5 Abs
Calibration & QC	
Calibration	1-point, 2-point and multi-point, factor, Spline, Logit-4P, Logit-5P
Quality Control	Inserting quality control at random
Data Management	
Software	Windows 7/8/10
LIS System	Available
Interface	TCP/IP Network interface

Printer	External, multiple reporting mode available
Working Conditions	
Power Supply	220 V±10% 50/60HZ, 110V±10% 60Hz, 800 VA
Temperature	15~30°C
Water Consumption	Deionized water:10 L/h
Humidity	40%~85%
Size & Weight	
External Size (W*D*H)	1170x775x1145 mm
Net Weight	216 kg
Package Size (W*D*H)	1348x928x1377 mm
Gross Weight	280 kg
Accessory Package Size	70 kg

## BANA-805 AUTO CHEMISTRY ANALYZER



- 150 Sample positions
- 160 Reaction cuvettes
- 180 Refrigerated reagent positions
- Optical filter/fiber bragg grating selectable
- 800 Tests per hour (1200 Tests with ISE module)
- Built-in sample barcode system optional
- Probe with anti-collision function, liquid level detection function.

## SPECIFICATIONS

Model	BANA-805
Overall Performance	
Throughput	800 Tests/hour, 1200Tests/hour with ISE(Optional)
Analysis Method	End-point, Fixed-time, Rate(Kinetic)
Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	
Sample Positions	150 sample positions
Reagent Positions	180 reagent positions
Sample Volume	1~70 µl
Reagent Volume	10~350 µl
Probe	Teflon coating, with anti-collision function, liquid level detection function
Probe Washing	Automatic washing interior and exterior
Reagent Cooling	Refrigerated tray with independent switch
Reaction System	
Temperature Control	Water bath, 37±0.1°C, real-time monitoring
Cuvettes	160 reusable cuvettes, optical length 6mm
Mixer Probe	Independent stirring
Washing	Automatic cuvettes washing
STAT Function	YES

Optical System	
Light Source	12 V/20 W halogen lamp/fiber bragg grating optional
Spectrophotometry	Post-spectral spectrophotometry
Wavelength	12 wavelengths from 340~800nm
Absorbance	0~3.5 Abs
Calibration & QC	
Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
Quality Control	Real-time QC, Westgard multi rule, Cumulative Sum Check, Twin Plot(2D)
Data Management	
Software	Windows 7/8/10, 32 or 64 bit
LIS System	Bi-direction, support HL7 protocol
Interface	LAN port access
Printer	External, multiple reporting mode available
Working Conditions	
Power Supply	AC220 V±10% 50/60 HZ, 110 V±10% 60 Hz, 1500 W
Temperature	15~30°C (±2°C)
Water Consumption	Deionized water: <25L/H
Humidity	40%~85%
Size & Weight	
External Size (W*D*H)	1360x795x1155 mm
Net Weight	290 kg
Package Size (W*D*H)	1718x958x1427 mm
Gross Weight	400 kg

## BANA-806 AUTO CHEMISTRY ANALYZER



Easy operation by one button.

End point, kinetic, fixed time, rate, etc.

Filter wavelength: 340/405/450/510/546/578/630nm, 2 more open filter positions, others on request.

With 20 incubating positions

Large Memory to store 144 test programs and 5600 testing results

Excellent Q.C function, Q.C chart can be stored, displayed and printed

37°C temperature in flow cell and incubating

Real time graph can be displayed and printed

## SPECIFICATIONS

Model	BANA-806
Reading cuvette	Quartz cuvette: Both through cell and direct reading cuvette
Incubating positions	20 incubating positions
Light source	6V, 10W long life halogen lamp
Filters	340/405/450/510/546/578/630nm, 2 more open filter positions
Wavelength accuracy	± 2nm
Measuring range	0~3.500 O.D.



Photometric linearity	±2% from 0 to 2.500 O.D.
Photometric accuracy	±2% from 0 to 2.500 O.D
Drift	<0.005 O.D.
Incubator Temperature	R.T. 25 °C, 30 °C, 37 °C
Control	Precision: ±0.1 °C
Display	Touch Screen
Printer	Built-in thermal printer
Interface	RS-232, USB
External Size(WxDxH)	400x380x200 mm
Packing Size(WxDxH)	500x530x350 mm
Gross Weight	12 kg
Power Supply	AC110/220 V± 10%, 60/50 Hz



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