

CLINICAL CHEMISTRY ANALYZERS



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The Clinical Chemistry Analyzer is a laboratory instrument that is used to determine and measure the chemical composition of a sample. It works on the principle of photoelectric colorimetry. These devices are used in diagnostic functions to perform analysis of glucose, creatinine, albumin, and bilirubin and also for the analysis of thyroid function, therapeutic drugs, drugs of abuse, blood lipids, etc.

Also known as Clinical Chemistry Analyzers, Chemistry Analyzers.

LTANA15-1 CLINICAL 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	LTANA15-1
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 μ l
Reagent Volume	20~350 μ l
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 \pm 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

LTANA15-2 CLINICAL 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	LTANA15-2
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

LTANA15-3 CLINICAL 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	LTANA15-3
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 μ l
Reagent Volume	10~350 μ l
Probe	Teflon coating, with anti-collision function, liquid level detection function
Probe Washing	Automatic washing interior and exterior
Reagent Cooling	2~8 $^{\circ}$ C
Reaction System	
Temperature Control	37 \pm 0.1 $^{\circ}$ 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 \pm 10% 50/60 HZ, 110 V \pm 10% 60 Hz, 500 VA
Temperature	15~30 $^{\circ}$ 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

LTANA15-4 CLINICAL 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	LTANA15-4
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 μ l
Reagent Volume	10~350 μ l
Probe	Teflon coating, with anti-collision function, liquid level detection function
Probe Washing	Automatic washing interior and exterior
Reagent Cooling	2~8 $^{\circ}$ C
Reaction System	
Temperature Control	37 \pm 0.1 $^{\circ}$ 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

LTANA15-5 CLINICAL 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	LTANA15-5
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

LTANA15-6 CLINICAL 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	LTANA15-6
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

LTANA16-1 FULLY AUTOMATIC BIOCHEMISTRY ANALYZER

Little Sample Volume Required-Sample volume needed is 1/10-1/20 of traditional chemistry analyzer

Easy to Carry-The portable analyzer is designed to save space, use it anywhere anytime

Less Maintenance-No consumables needed such as tubes, pump, valve etc., saving your maintenance expenses

Accurate Result-Using the photoelectric colorimetric principle, the analyzer has many advantages versus traditional dry bio chemistry analyzer using the light reflection method. Dilution of test sample is guaranteed without random errors and cross contamination

SPECIFICATIONS

Model	LTANA16-1
Sample Volume	90-120 ul
Barcode	QR code
Testing Time	12mins/sample
Controlling Temperature	37± 0.2 °C
Resolution	0.001 Abs
Absorbance	0 - 3.0Abs
Sample Type	Anti-coagulation whole blood, serum and plasma
QC &Calibration	IQC Intelligent QC
Working Condition	Temperature: 10-32 °C; Humidity: < 85 %
Testing Principle	Absorbance spectroscopy, transmission turbidimetry
Testing Method	End point, kinetic, fixed time, turbidimetry, etc.
Light Source	12 V /20 W, Halogen tungsten lamp, life span over 2500 h
Power Supply	AC100-240 V, 50-60 HZ
Power	105 W
Display	6.5 inches touch screen
Storage	4G, 100.000 results
Print	Built-in thermal printer
Connector	2 USB ports
Packing Size	345x315x405 mm
Gross Weight	6.85 Kg



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