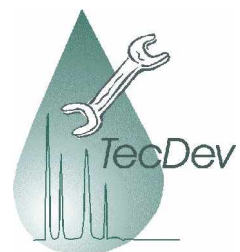


Clinical Laboratory Instruments catalogue



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RT-200C PLUS Auto Chemistry Analyzer



Features:

- Simplicity of operation and flexibility with user friendly software under Windows OS
- Reagent open system, close system on request
- Stable throughput with reliable results, cost effective
- STAT sample priority enabled
- Liquid level detection for sample and reagent probes
- Dual reagent assay supported with mixer
- Air/Water rinse flow cell, auto/manual rinse, low carryover
- Analytical modes including Multi-stand, Fixed time, End-point and Kinetic
- Built-in QC Management and Multi-form report output
- Large memory, up to 1 million patients' data can be stored and unlimited programs defined
- Compact design gives ease in maintenance
- Slave analyzer available to get higher throughput
- Multi-language software available on request

Technical Specifications:

General Descriptions

Automatic, STAT Available ,Throughput Up to 200 tests/hour

Method :

End-point, Kinetic, Fixed time, Single/Dual Reagent , Monochromatic, Bichromatic, Linear / non-linear multipoint calibration

Quality Control : QC calculation monthly

Calibration Mode :One point/ multi-point, log, exponential, polynomial, parabola

Memory : 80GB
Light Source :Halogen lamp
Wavelengths : 8 filters including 340nm, 405nm, 492nm, 510nm, 535nm, 546nm, 578nm, 620nm
Absorbance Range: 0-3.000Abs \pm 1%
Resolution : 0.0005Abs
Operation System: MS Windows
Display: 15" color LCD or CRT
Interface: RS-232
Sample Position: 60 positions
Sample Volume : 3-500 μ l (>5 μ l is recommended), 1 μ l increment
Sample Probe: Liquid level detection
Reagent Position : 36 positions, refrigerated
Reagent Volume : 200-500 μ l, 1 μ l increment
Reagent Probe : Liquid level detection
Reaction Position : 120 positions
Reaction Volume : 300-500 μ L
Operation Temperature : 25°C,30°C,37°C, Room temperature
Temperature Regulation : \pm 0.1°C
Power Supply : AC 200V - 240V \pm 10%,50-60Hz
Dimensions (Floor standing) LxWxH(mm): 872x720x1069

RT-9900 Semi-Auto Chemistry Analyzer



Easy keypad operation with LCD display

Continuously adjustable grating, enhances the stability and reliability of result
Reagent open system supports flow cell and cuvette mode, close system on request
Analytical modes include kinetic, fixed time, bichromatic end point with or without reagent blank or sample blank, linear or non-linear calibration
Powerful QC program: Westguard multi-rule, Levey-Jennings plots, 2 controls per test
Large memory, up to 204 protocols and 5400 results can be stored
Additional recloser design with lamp saving
Powerful internet connection enables remote data sharing and OS update
Compact design enables USER-DIY maintenance
Multi-language software available on request

Technical Specifications:

General Descriptions

Absorbance Range : -0.500 - 3.500Abs

Resolution : 0.001 Abs (displayed), 0.0001Abs (calculated)

Light Source : Halogen lamp, 12V/20W

Wavelengths :Continuously adjusted grating, wavelength range is 330 - 800nm, 1nm by step adjustment

Wavelength Accuracy :± 1nm

Band Width :< 6nm

Flow Cell: Metal - quartz flow cell

Temperature Control :25.,30.,37.,±0.1. and ambient temperature

Aspirate Volume : 0~3000µl

Carryover:< 1%

Memory :Up to 204 protocols and 5400 results can be stored

Output :Built-in printer or external printer

Interface:RS-232

Language : English or any language on request

Power Supply: AC 110V - 220V ± 10%, 50-60Hz

Net Weight : 8KG

Dimensions L × W × H (mm) :360 x 318 x 185

RT-9600 Semi-Auto Chemistry Analyzer



Features:

- Easy Windows operation system with large touch-screen
- Displays the reaction curve in real-time
- Continuously adjustable grating, enhances the stability and reliability of result
- Reagent-open system supports flow cell and cuvette mode, close system on request
- Analytical modes include kinetic, fixed time, bichromatic end point with or without reagent blank or sample blank, linear or non-linear calibration
- Large memory, up to 200 test protocols and 10000 results can be stored, compatible with SD card
- Powerful QC program: Westguard multi-rule, Levey-Jennings plots, 2 controls per test
- Multiform result output including patient comprehensive report
- Multi-interface support RS-232, VGA, USB, SD and Ethernet
- Easy communication with PC
- Powerful internet connection enables remote data sharing and OS update
- Compact design enables USER-DIY maintenance
- Multi-language software available on request

Technical Specifications:

General Descriptions

Absorbance Range : -0.500 - 3.500Abs

Resolution : 0.001 Abs (displayed), 0.0001Abs (calculated)

Light Source :Halogen lamp, 12V/20W

Wavelengths : Continuously adjusted grating, wavelength range is 330 - 800nm, 1nm by step adjustment

Wavelength Accuracy : ± 1 nm

Band Width : < 6nm

Flow Cell : Metal - quartz flow cell

Temperature Control : 25.,30.,37., ± 0.1 . and ambient temperature

Carryover : < 1%

Memory : 200 test protocols, up to 10000 test results, support SD to expand memory

Display :6.4" color/mono LCD

Output : Built-in printer or external printer

Input :Touch screen, mouse and keyboard optional

Interface: RS-232,support VGA,2 USB, SD, Ethernet

Language :English or any language on request

Power Supply : AC 100V - 240V $\pm 10\%$,50-60Hz

Net Weight : 11Kg

Dimensions L x W x H (mm) :370 x 284 x 318

RT-9200 Semi-Auto Chemistry Analyzer



Features:

- Easy keypad operation with LCD display
- Wavelengths range is 330-800nm, 5 standard filters, 3 more filters optional
- Reagent open system supports flow cell and cuvette mode, close system on request
- Analytical modes include kinetic, fixed time, bichromatic end point with or without reagent blank or sample blank, linear or non-linear calibration curves
- Up to 60 programs and 2200 test results can be stored
- Excellent QC function, 2 controls per test
- Internal thermal-sensitive printer
- Compact design enables USER-DIY maintenance
- Multi-language software available on request

Technical Specifications:

General Descriptions

Absorbance Range :-0.500 - 3.500Abs

Resolution : 0.001 Abs (displayed), 0.0001Abs (calculated)

Light Source

Halogen lamp, 12V/20W

Wavelengths : 340, 405, 500, 546, 620nm, 3 more filters optional

Wavelength Accuracy : ± 1 nm
Band Width : < 8 nm
Flow Cell :Metal - quartz flow cell
Temperature Control: 25.,30.,37., ± 0.1 . and ambient temperature
Carryover: $< 1\%$
Display : LCD display
Interface: RS-232
Output : Internal and external printer (optional)
Power Supply :AC 100V - 240V $\pm 10\%$, 50-60Hz
Net Weight: 7Kg
Dimensions L x W x H (mm) : 370 x 284 x 318

RT-9100 Semi-Auto Chemistry Analyzer



Features:

- PC controlled system, Windows XP, displays the reaction curve in real-time
- Continuously adjustable grating enhances the stability and reliability of results
- Reagent open system supports flow cell and cuvette mode, close system on request
- Analytical modes include kinetic, fixed time, bichromatic end point with or without reagent blank or sample blank, linear or non-linear calibration curves
- Large memory, up to 300 test protocols can be stored
- Powerful QC program: Westgard Multi-rule, Levey-Jennings plots, 2 controls per test
- Multiform result output including patient comprehensive report
- Compatible with all popular external printers
- Powerful internet connection enables remote data sharing and OS update
- Compact design enables USER-DIY maintenance
- Multi-language software available on request

Technical Specifications:

General Descriptions

Absorbance Range : -0.500 - 3.500Abs

Resolution : 0.001 Abs (displayed), 0.0001Abs (calculated)

Light Source : Halogen lamp, 12V/20W

Wavelengths :Continuously adjusted grating, wavelength range is 330 - 800nm, 1nm by step adjustment

Wavelength Accuracy : ± 1 nm

Band Width : < 6nm
Flow Cell : Metal - quartz flow cell
Temperature Control : 25.,30.,37.,±0.1. and ambient temperature
Carryover : < 1%
Memory :300 test protocols, up to 10000 test results, support SD to expand memory
Printer :All printers compatible with Windows
Interface :RS-232, USB
Language :English or any language on request
Power Supply :AC 100V - 240V ± 10%, 50-60z
Net Weight : 9Kg
Dimensions L x W x H (mm) :368 x 192 x 266

RT-7600 Auto Hematology Analyzer



Features:

- 3-part differentiation of WBC; 20 parameters+3 histograms
- 2 Counting mode: whole blood and prediluted
- Throughput: 60 samples per hour
- Closed tube sampling optional
- Up to 50000 sample results (including histograms) can be stored
- Built-in thermal recorder, optional external printer
- 10.4" TFT color LCD with touch screen

Technical Specifications:

General Descriptions

Parameters :

WBC, LYM#, MON#, GRA#, LYM%, MON%, GRA%, RBC, HGB, MCHC, MCH, MCV, RDW-CV, RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCR and Histograms for WBC, RBC and PLT

Principles : Electrical resistance for counting WBC, RBC and PLT

Performance

Parameter Precision (CV%)

WBC (10⁹/L) 2.0(7.0-15.0)
RBC (10¹²/L) 1.5(3.50-6.00)
HGB (g/L) 1.5(110 – 180)
MCV (fL) 0.4(80.0 – 110.0)
PLT (10⁹/L) 4(100 – 500)

Sample Volume : Prediluted 20µL , Whole Blood 9.8µL

Aperture Diameter : WBC 80µm RBC 50µm

Throughput : 60 samples per hour

Display :Large Color LCD with touch screen Resolution: 800x600

Alarms

error messages

Carryover

WBC/RBC/HGB<0.5%,PLT<1.0%

Input/Output

RS-232, USB, LAN, keyboard and mouse interface

Printout

Thermal recorder, 55mm width paper, various printout formats, external printer optional

Operating Environment:

Temperature: 15.~35.

Humidity: 10%~90%

Power requirement : AC 100-240V, 50/60±1Hz

Dimension LxWxH(mm): 436x363x367

Weight :18Kg

RT-6100 Microplate Reader



Features:

- PC controlled system, Windows XP
- 8-channel optical fiber system enables 5 secs' reading for 96-well plate
- Calculation modes include ABS, Cut-Off, Curve, Linear, Log, Exponential, Power and 4PL regression
- Up to 12 different tests can be performed in one plate
- Powerful laboratory management software, more than 100 programs and 100,000 results can be stored
- Powerful QC programs including Westguard Multi-rule and Instant method, automatic alarm
- Multiform test reports output
- Lamp saving and plate shaking
- Save data automatically when power off unexpectedly
- Compatible with all popular external printers
- Powerful internet connection enables remote data sharing and OS update
- Multi-language software available on request

Technical Specifications:

General Descriptions

Absorbance Range : 0 - 4.000Abs

Resolution : 0.001Abs (displayed),0.0001Abs(calculated)

Accuracy : $\pm 0.5\%$ or $\pm 0.005\text{Abs}$

Type of Microplate : Standard with 96-well or other kind of microplate and strip

Optic System : 8-channel optic fiber system
Light Source :Halogen lamp, 8V/20W
Wavelengths : 405, 450, 492, 630nm, 4 more filters optional
Wavelength Accuracy : ± 1 nm
Band width : <8nm
Methodologies : End Point, fixed time, Kinetic
Calculation Method : ABS, Cut-Off, Single Standard, Curve, Multi-Percent, Percent Log, Linear, Exponential, Power, 4PL Regression
Reading Speed : 5 seconds for 96 well plate (single wavelength)
Shaking Plate : Shaking time and speed adjustable

Operation

PC operation, bidirectional communications
Memory : More than 100 programs, up to 100,000 test results
Printer : All printers compatible with Windows
Interface : RS-232, USB
Language : English or any language on request
Power Supply : AC 110V - 240V $\pm 10\%$, 50-60Hz
Net weight: 7Kg
Dimension LxWxH(mm): 454x295x146

RT-3100 Microplate Washer



Features:

- Fully automatic
- User friendly operation system with large LCD display
- Washes flat, U and V-bottom strips and plate
- 12-way or 8-way manifold, automatic and manual positioning
- Large memory, up to 100 wash protocols can be programmed
- Multi-channel, 1 or 3 (optional) for wash, 1 for rinse and 1 for waste
- Plate shaking function, time and speed are adjustable
- Two 96-well plate incubation positions (optional)
- Liquid level detection and alert function
- Easy maintenance

Technical Specifications:

Plate Mode : 96-/48-well plate or strip

Residual Volume : <1 μ l

Washing Volume : 10~3000 μ l/well, 1 μ l by step

Washing Cycle : Maximum 99 cycles

Strip Washing : 1 to 12 strips programmable

Soaking Time : 0~24hours

Shaking Time : 0~24hours

Display : Large LCD

Wash Channels : 5 channels, 1 or 3 (optional) for wash, 1 for rinse and 1 for waste

Memory : 100 washing protocols

Interface : RS-232

Power Supply : AC 110/220V \pm 10%, 50~60HZ

Net Weight: 13 Kg

Dimension LxWxH (mm): 450x390x190

RT-2600 Microplate Washer



Resolution	50µl by step
Dispense precision	<2% CV at 350µl
Dispense accuracy	±2% at 300µl
Residual Volume	<3µl (standard) <1µl (double aspiration)
Display	90 mm x 53 mm LCD
Data Storage Capacity	64 user entered wash protocols,
Manifold	8 pins or 12 pins
Operating condition	10°C -40°C
Store condition	-10°C -40°C
Fluid reservoir capacity	Wash, Waste bottle 2L
Dimensions L x W x H (mm)	405 x 343 x 175
Weight	12 kg
Power supply	AC 200-240V, 50/60Hz

Parameter	Characteristics
Resolution	50µl by step
Dispense precision	<2% CV at 350µl
Dispense accuracy	±2% at 300µl
Residual Volume	<3µl (standard)
Residual Volume	<1µl (double aspiration)
Display	90 mm x 53 mm LCD
Data Storage Capacity	64 user entered wash protocols,
Manifold	8 pins or 12 pins
Operating condition	10°C -40°C
Store condition	-10°C -40°C
Fluid reservoir capacity	Wash, Waste bottle 2L
Dimensions L x W x H (mm)	405 x 343 x 175
Weight	12 kg
Power supply	AC 200-240V, 50/60Hz

RT-2100 C Microplate Reader



Features

- Bichromatic optic system with 4 wavelengths included: 405,450,492,630 nm
- 8-channel optic fiber system, **get reading result in just 5 seconds**
- Large LCD display, Win CE compatible operating system
- **Touch-screen** or external mouse
- **Large memory to store 500 results.**
- **Shaking plate feature**
- Performing 12 different tests just in one plate !
- Multi-forms in result output including patient comprehensive report
- Built-in modem support long-distance maintenance and software upgrade (optional)

Principle	Absorbance	
Wavelength	405,450,492,630nm	(filters from 400-700nm available on special order)
Measurement range	0.000 -2.500 Abs	
Read range	0.000-3.500 Abs	
Resolution	0.001 Abs (display), 0.0001 Abs (calculation)	
Linearity	r ≥ 0.995	
Accuracy	±1.0% or ±0.007A	
Precision	±0.5% or ± 0.005A	
Reading Speed	Continuous mode< 5 s, step by step mode<15 s	
Test mode	Single and Double Wavelength auto test.	
Mixer	Variable time and speed	
Display	5.7" LCD(320 x240 view, 256 gray scale)	
Input	Touch panel and pen or external mouse	
Data Storage Capacity	500 test ; 10000 test results	
Operating condition	Temperature 10°C - 40°C ; Humidity 20%-85%	
Output	External printer	