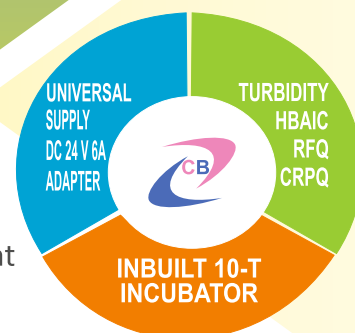


# CB 1600 Touch Semi Automatic Clinical Chemistry Analyzer

## General Features

- 7 inch touch screen and keypad
- 2000 hour's long-life halogen lamp
- Permanent quartz flowcell
- Reaction curve real time display
- Thermal printer, auto&manual print
- Flowcell & cuvette modes
- Less and easy maintenance
- Inbuilt 10T Incubator



## Technical Specifications

Principle	Colorimetry , Turbidimetry
Light source	Halogen lamp, 6V 10W
Display	7 inch touch screen
Aspiration volume	100 ~ 5000uL
Test method	End point, Fixed time, Kinetics, SUB, DIV, ABS
Absorbance range	0 ~ 3.000Abs
Wavelength	340nm, 405nm, 450nm, 505nm, 546nm, 578nm, 630nm and one free positions
Reagent	Open reagent system Absorbance(340nm)variation≤0.005Abs Carry over ≤ 1%
Size	320mmx254mmx137mm
Power supply	DC 24V 6A
Net weight	3.0kg
Reaction Volume	350-5000μl
Aspiration	Peristaltic pump
Photometric Range	- 0.1 to 3.0 Absorbance
Resolution	0.0001 Absorbance
Linearity	≤ 1%
Blanking	Automatic zero setting
Calibration	Automatic against standard with auto storage of graph for all tests

# CB 1600 Touch Semi Automatic Clinical Chemistry Analyzer



Scan for Product Detail

**Enzymes  
Substrates  
Electrolytes  
Turbidimetry**



Reliable Easy Affordable



## Accurate and Precise Results

- Advance Optics Filter System
- 7 Filters, 340, 405, 450, 505, 546, 578, 630
- Resolution 0.0001 Abs, Photometric Range -0.1-3.0000 Abs
- Quality control and sample results.
- Flow Cell & Cuvette testing mode



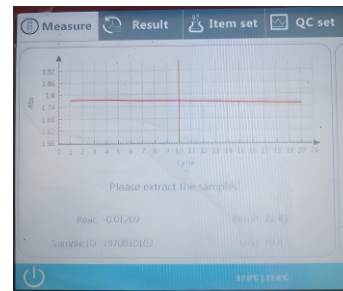
## Nearly Perfect Software Function

- Friendly interface and illustrate icons.
- Online Graph For All Chemistries
- Intelligent & Humanized Software
- Standard RS232 and USB communication interfaces.
- More convenient to edit test items freely, clear presentation of real-time curve, calibration.



## Easy to Use

- Modern in design, light in weight, compact in size.
- Reaction curve real time display
- 7" color touch screen, keypad and mouse.
- Friendly user interface, convenient operation.



## Reliable Spare Parts Quality

- Well-known global spare parts suppliers
- High performance PCB board from fully automatic assembly line
- Individual quality control management for each component



## Cost-effective

- Thermal printer, auto&manual print
- Reaction Volume 350-5000µl
- Sleep mode to save energy and extend LCD life
- 10T Inbuilt Incubator
- Halogen lamp, 6V 10W



## International Standard Certificate and Registration Documents

- ISO 9001:2015
- CE, Clinical test report.



## Low and Easy Maintenance

- Special self-checking function during initialization
- Error messages
- Universal power supply DC 24V 6A
- Permanent quartz flowcell & Peristaltic pump used



## Professional Technical Support

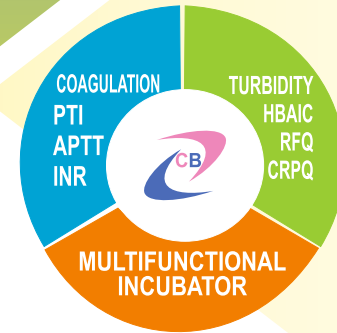
- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door to Door service for complicated problems
- Provide qualification certificate to skilled individuals



**CB 1600 Touch Plus**  
Semi Automatic  
Clinical Chemistry Analyzer

**General Features**

- Window Based Operating System
- 7" inch true colour touch screen (800\*480 pixels)
- Inbuilt Multifunction Incubator
- 4 USB Port & 1 ethernet port
- Flow Cell & Cuvette testing mode
- Universal power supply
- Advance Optics Filter System
- Online Graph For All Chemistries
- Auto-Sleep Function
- Over 300 Programs, 200000 Results Storage



**Technical Specifications**

Analysis Method	End Point, 2 Point End (Sample Blank) Kinetics, Fixed- Time, Turbidity, Coagulation
Optics	7 Filters, 340, 405, 450, 505, 546, 578, 630
Lamp House	Long-life Tungsten Halogen Lamp ( 6V/10W)
Auto-Sleep Function	Sleep mode to save energy and extend LCD life
Display	7.0" TFT LCD with Touch Screen, 800*480 Pixels
Printer	Build-in Thermal Printer, 57mm Printer Paper External Printer optional
Incubator	Built-in Multi-Function incubator
Temperature	25,30, 37°C and Room Temperature.
Flow Cell Capacity & Optical Path	32ul, 10mm
Resolution	0.0001 Abs
Photometric Range	0.0000-3.0000 Abs
CPU	ARM Cortex-A8, 720MHz
Memory	DDR2 SDRAM : 1G bit
Flash	256 MB
Storage	Over 300 Programs, 200000 Results can be Stored
Interface 4 USB Host	USB Ports (Host) for Keyboard, Mouse, Printer, U Disk Bar Code Reader etc.
Interface 1 USB Slave : 1 Ethernet Port	USB Ports (Slave) for PC Connection ( Optional ) (Support PC Software Control Function )
Environment Temperature	10°C-37°C Humidity = 85%
Power Requirement	Wide Power Supply AC 100-240V, 50/60Hz
Dimension	400 X 300 X 160mm ( LXWXH)
Weight	7.5kg



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**CB 1600 Touch Plus**  
Semi Automatic  
Clinical Chemistry Analyzer



Scan for Product Detail

**Enzymes**  
**Substrates**  
**Electrolytes**  
**Turbidimetry**  
**Coagulation**



Reliable Easy Affordable





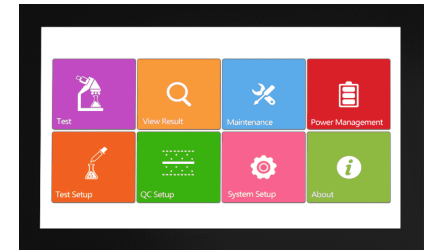
## Accurate and Precise Results

- Advance Optics Filter System
- 7 Filters, 340, 405, 450, 505, 546, 578, 630
- Resolution 0.0001 Abs, Photometric Range 0.0000-3.0000 Abs
- Quality control and sample results.
- Flow Cell & Cuvette testing mode



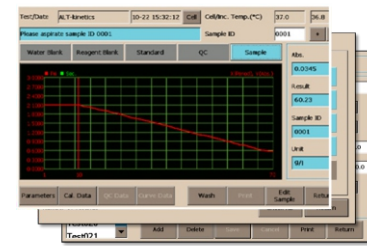
## Nearly Perfect Software Function

- Friendly interface and illustrate icons.
- Online Graph For All Chemistries
- Intelligent & Humanized Software
- Standard RS232 and USB communication interfaces.
- More convenient to edit test items freely, clear presentation of real-time curve, calibration.



## Easy to Use

- Modern in design, light in weight, compact in size.
- Convenient Operation Through Touch Screen 7" color touch screen, keypad and mouse
- Friendly user interface, convenient operation.
- Patient report with PID & Name



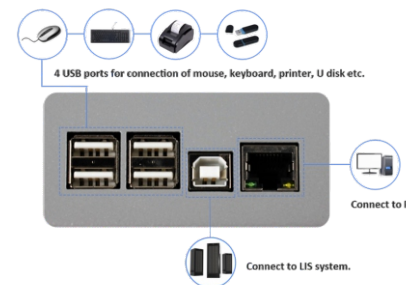
## Reliable Spare Parts Quality

- Well-known global spare parts suppliers
- High performance PCB board from fully automatic assembly line
- Individual quality control management for each component



## Cost-effective

- Thermal printer (Inbuilt) and Usb port for external printer
- Inbuilt Multifunction Incubator
- Sleep mode to save energy and extend LCD life
- Powerful Inner Core, Huge storage of 200000 results & Over 300 Programs



## International Standard Certificate and Registration Documents

- ISO 9001:2015
- CE, Clinical test report.



## Low and Easy Maintenance

- Special self-checking function during initialization
- Error messages
- Universal power supply
- Long-life Tungsten Halogen Lamp(6v/10W)



## Professional Technical Support

- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door to Door service for complicated problems
- Provide qualification certificate to skilled individuals



# CB DOUBLE Auto Hematology Analyzer

## General Features

- 22 parameters with P-LCC, P-LCR and RBC, WBC, PLT histograms
- Throughput up to 72 samples per hour with double chamber design
- Impedance method for WBC, RBC and PLT
- Photoelectric colorimetry method for HGB with cyanide free reagent
- Micro sample volume at 13UL for whole blood mode and 20uL for pre-dilute mode
- On board storage capacity of 100,000 samples results
- RFID reagent close system optional
- Four kinds of QC modes : L-J, X, X-R and X-B
- Support USB data backup & system upgrade
- Build-in thermal printer
- LIS and HIS available with HL7 protocol

## Technical Specification

Parameters	Dilution ratio									
WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB, HCT, MCW, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDV-SD, PDW-CV, PCT, P-LCR, P-LCC 3-part differentiation of WBC, 22 parameters and 3 histograms	<table border="1"> <thead> <tr> <th></th> <th>Whole blood</th> <th>Capillary blood</th> </tr> </thead> <tbody> <tr> <td>WBC/HGB</td> <td>1:232</td> <td>1:400</td> </tr> <tr> <td>RBC/PLT</td> <td>1:40000</td> <td>1:45000</td> </tr> </tbody> </table>		Whole blood	Capillary blood	WBC/HGB	1:232	1:400	RBC/PLT	1:40000	1:45000
	Whole blood	Capillary blood								
WBC/HGB	1:232	1:400								
RBC/PLT	1:40000	1:45000								
Principles of operation	Display									
WBC/RBC/PLT: electrical impedance HGB: photoelectric colorimetry	10.4 inch color LCD, resolution 800 x 600 screen									
Aspiration volume	Control & calibration									
Whole blood 13µL, pre diluted 20µL	L-J, X-R, X-B four control modes, manual and auto-calibration									
Aperture diameter	Input/output									
WBC 100 µm, RBC/PLT 68 µm	Support Rs232, 6USB (mouse, keyboard, HP printer, barcode reader and flash disk) Internal 57mm thermal printer									
Throughput	Power									
72 samples per hour	AC 100-240V, 50/60Hz, 180VA									
Data storage	Dimension & Weight									
Up to 100,000 samples results with histograms	415mm (L) x 305 (W) x 395 (H), about 18kg									
Alarms										
Error messages										



Two reagent model open and close (RFID) both options



Three Reagent Model Diluent, LYSE, Rinse



Veterinary Model 15 different species

# CB DOUBLE Auto Hematology Analyzer



Scan for Product Detail

**Veterinary  
Model  
Also  
Available**





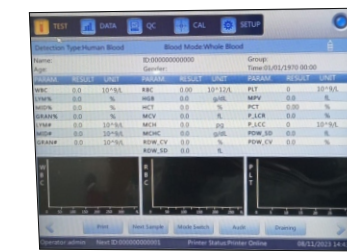
## Accurate and Precise Results

- Proven impedance measurement technology
- Auto internal & external cleaning for aspiration probe
- High precision syringes
- Internal preheating for diluent for every test
- 68 um and 100 um ruby apertures



## Nearly Perfect Software Function

- Friendly interface and illustrate icons
- On board storage up to 100,000
- L-J, X, X-R and X-B QC methods
- Supports LIS and HIS
- Tailor-made multi-language operation system



## Easy to Use

- Larger color LCD with high resolution
- Working status indicator light
- Mouse and Keyboard connection by USB
- Internal storage of lyse



## Reliable Spare Parts Quality

- Well-known global spare parts suppliers
- High performance PCB board from fully automatic assembly line
- Individual quality control management for each component



## Cost-effective

- Tidy fluid system with low reagent consumption
- Only 2 reagents for sample testing
- Micro sample volume only 13uL for whole blood
- Reagent Both options available RFID closed or open system



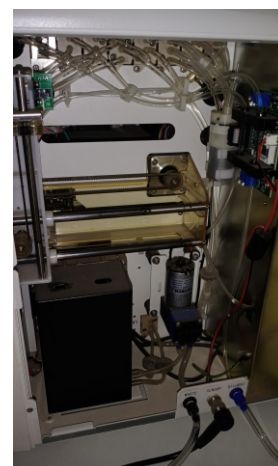
## International Standard Certificate and Registration Documents

- ISO 9001:2015
- CE, Clinical test report.



## Low and Easy Maintenance

- Special self-checking function during initialization
- Auto clog removing by aperture cauterizing and flushing
- Error messages
- Openable front panel and side door



## Professional Technical Support

- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door to Door service for complicated problems
- Provide qualification certificate to skilled engineer



# CB LYTE Na/K/Cl/Ca/Li/pH AUTOMATIC ELECTROLYTE ANALYZER

## General Features

- Compact, Economical and easy to use
- Excellent precision and reliability
- Long life, maintenance-free electrodes
- Automatic Calibration
- Intelligent reagent pack
- Extremely low cost per test
- Stand By Mode (Manual & Automatic)
- Whole Blood Serum, Plasma, CSF & Diluted Urine
- 600 Serum/ Plasma, 100 Urine, 100 QC Result Storage



### Electrolyte Analyzer Models

Electrode Parameters									
BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
K	K	K	K	K	K	K	K	K	K
Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
B	B	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa
B	B	B	B	Li	pH	Li	pH	Li	Li
B	B	B	B	B	B	pH	B	B	pH
B	Cl	B	Cl	B	B	Cl	Cl	Cl	Cl
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

Note: Please Arrange The Electrodes As Per The Parameter Selection

## Technical Specifications

1. Principle	: Direct measurement with ion selective electrode (ISE).
2. Intended Use	: The Electrolyte Analyzer (Ion-selective analyzer) is used for quantitative determination/measurement of Sodium, Potassium, Calcium, Lithium, pH and Chloride in whole blood/plasma/serum/CSF. And it is also used for quantitative determination/measurement of Sodium, Potassium and Chloride in urine. The Electrolyte Analyzer made for clinical laboratory testing use only.
3. Parameter conversion	: This functionality allows quick change of analyte.
4. Sample	: Whole blood, serum, plasma, CSF and diluted urine. for diluted (1:5) urine 500 micro liter.
5. Sample Volume	: 150 micro liter.
6. Non Detectable Mode	: 250 micro liter.
7. Measuring time	: 65 sec.
8. Throughput	: 55 Samples / Hour .
9. Data Storage	: 600 Serum/ Plasma, 100 Urine, 100 QC Result Storage
10. Ambient conditions	: Temperature: 5°C - 40°C , <85% non-condensing humidity.
11. Output	: 128x64 graphics display with Y/N numeric keypad, 24 column thermal printer, Serial USB port.
12. Input voltage	: 100/115-VAC, 50-60 Hz or 220-VAC, 50-60 Hz, 0.75 amp.
13. Size & Weight	: 30.1 cm (W), 35.5 cm (H), 30.6 cm (D), 8.260 kg.
14. Stand By Mode	: Manual & Automatic

# CB LYTE Na/K/Cl/Ca/Li/pH AUTOMATIC ELECTROLYTE ANALYZER



Scan for Product Detail



**Chariot's Biotechnology**  
ISO & CE Certified Company



## Accurate and Precise Results

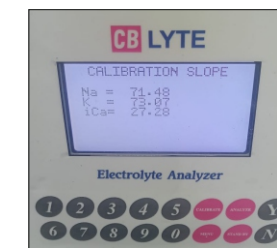
- Direct measurement with ion selective electrode (ISE)
- Long life, maintenance-free electrodes
- Automatic Calibration
- Whole Blood Serum, Plasma, CSF & Diluted Urine

Parameter	Measuring Range Blood	Reproducibility (CV%)	Measuring Range Urine	Reproducibility (CV%)
Na <sup>+</sup>	20.0 - 250.0 mmol/L	< 1.0%	25.0 - 1000.0 mmol/L	< 5.0%
K <sup>+</sup>	0.20 - 40.0 mmol/L	< 2.0%	1.0 - 500.0 mmol/L	< 5.0%
Cl <sup>-</sup>	20.0 - 200.0 mmol/L	< 1.0%	25.0 - 500.0 mmol/L	< 5.0%
iCa <sup>2+</sup>	0 - 10.0 mmol/L	< 2.0%	***	***
Li	0 - 10.0 mmol/L	< 2.0%	***	***
pH	5 - 8	< 2.0%	***	***



## Nearly Perfect Software Function

- Friendly interface and illustrate icons
- 600 Serum/ Plasma, 100 Urine, 100 QC Result Storage
- Option to run QC programme
- Throughput 55 Samples/Hour
- Various parameter option in same machine (Na/k), (Na/k/Cl), (Na/k/Ca), (Na/k/Cl/Ca), (Na/k/Cl/Ca/pH), (Na/k/Cl/Ca/Li)



## Easy to Use

- Compact, Economical and easy to use
- 128X64 graphics display with Y/N numeric keypad
- Parameter conversion this functionality allows quick change of anylyte
- Stand By Mode (Manual & Automatic)



## Reliable Spare Parts Quality

- Well-known global spare parts suppliers
- High performance PCB board from fully automatic assembly line
- Individual quality control management for each component



## Cost-effective

- Extremely low cost per test
- Intelligent reagent pack
- Sample Volume 150 micro liter
- Inbulit 24 column Thermal Printer, Serial USB Port



## International Standard Certificate and Registration Documents

- ISO 9001:2015
- CE, Clinical test report.



## Low and Easy Maintenance

- Special self-checking function during initialization
- Sealed reagent pack with waste collected inside pack
- Error messages
- Openable front door



## Professional Technical Support

- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door to Door service for complicated problems
- Provide qualification certificate to skilled engineer





**CB** CHARIOT'S ECG MACHINE  
MODEL : ECG CB-3CH



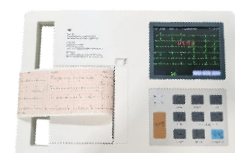
**General Features**

- Modern in design, light in weight, compact in size.
- Simultaneously acquisition of 12 lead, full screen display of 12 channel ECG waveforms.
- 5.6" color touch screen, both push-button and touch operation.
- Sensitive filters of ADS, HUM, and EMG.
- Automatic measurement, calculation, analysis, waveform freezing. Auto-analyze and auto-diagnostic can reduce doctor's burden and improve working efficiency.
- Automatic adjustment of baseline for optimal recording.
- Thermal printer with 80mm print paper, synchronization print
- Lead off & lack off paper detection function.
- Built-in rechargeable li-ion battery (11.1V/4000mAh), AC/DC power conversion.
- Adapt to 100-240V, 50/60Hz AC power supply
- Historical data and patient's information can be reviewed and printed.
- Support USB flash disk & SD memory, stored reports can be saved, opened, analyzed in PC via ECG playback software.
- The machine can store over 400 ECG reports in its built-in flash.
- Standard RS232 and USB communication interfaces.
- Connect with PC via ECG workstation software.
- Sleep mode to save energy and extend LCD life
- The device can record real time clear and exact 12 channel ECG waveform and remark continually. The remark includes: lead sign, sensitivity, paper speed, filter state, etc

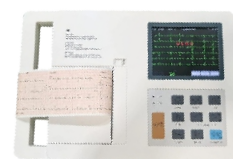
**Technical Specifications**

CMRR	≥ 100dB, with AC Filter	Calibrating voltage	1mV± 3%
Input circuit	Floating	Voltage tolerance	± 500mV
Input circuit current	≤ 0.1μ A	Time constant	> 3.2s
Resolution	12bit/1000Hz	Frequent response	0.05Hz~150Hz
Operation mode	Manual/Auto	Noise level	≤ 15μ Vp-P
Filter	AC. EMG Filter	Threshold	≤ 20μ V
Drift filter	Anti-Drift System	Paper speed	12.5, 25, 50mm/s (± 3%)
Input Impedance	> 50MΩ	Sensitivity	5, 10, 20mm/mV
Patient current leakage	< 10μ A	Recorder	High resolution thermal printer
Specification of fuse	T1.6A 250V Ø5×20	Battery	Built-in rechargeable Li-ion battery 11.1V(4000mAh)
Recording paper	Thermal recording paper 80mm	Package	360mm*250mm*68mm

Technical Specifications subject to change without prior notice.



3 Channel ECG



6 Channel ECG



12 Channel ECG

For more information contact  
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www.chariotsbiotechnology.in

**CB** CHARIOT'S ECG MACHINE  
MODEL : ECG CB-3CH



Scan for Product Detail

**6 Channel  
12 Channel  
Model  
Also  
Available**

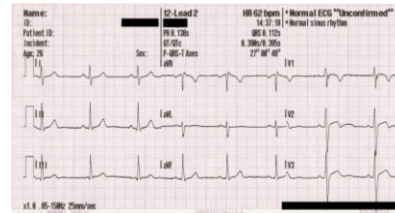


Reliable Easy Affordable



## Accurate and Precise Results

- Automatic adjustment of baseline for optimal recording.
- The device can record real time clear and exact 12 channel ECG waveform and remark continually. The remark includes: lead sign, sensitivity, paper speed, filter state, etc
- Automatic measurement, calculation, analysis, waveform freezing. Auto-analyze and auto-diagnostic can reduce doctor's burden and improve working efficiency.



## Easy to Use

- Modern in design, light in weight, compact in size.
- Simultaneously acquisition of 12 lead, full screen display of 12 channel ECG waveforms.
- 5.6" color touch screen, both push-button and touch operation.



## Cost-effective

- Thermal printer with 80mm print paper, synchronization print.
- Adapt to 100-240V, 50/60Hz AC power supply.
- Sleep mode to save energy and extend LCD life
- Support USB flash disk & SD memory, stored reports can be saved, opened, analyzed in PC.



## Low and Easy Maintenance

- Special self-checking function during initialization
- Error messages, Lead off & lack off paper detection function.
- Built-in rechargeable li-ion battery (11.1V/4000mAh), AC/DC power conversion.



## Nearly Perfect Software Function

- Friendly interface and illustrate icons.
- On board storage of 400 ECG reports in its built-in flash.
- Tailor-made multi-language operation system.
- Standard RS232 and USB communication interfaces.
- Connect with PC via ECG workstation software.



## Reliable Spare Parts Quality

- Well-known global spare parts suppliers
- High performance PCB board from fully automatic assembly line
- Individual quality control management for each component



## International Standard Certificate and Registration Documents

- ISO 9000:2015
- CE, Clinical test report.



## Professional Technical Support

- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door to Door service for complicated problems
- Provide qualification certificate to skilled individuals

