



Celercare[®] M1 Automatic Chemistry Analyzer

Anyone! Anytime! Anywhere!

MNCHIP

Celercare[®] M1 automatic POC chemistry analyzer is a portable instrument that processes whole blood in self-contained, single-use microfluidic reagent chip. Along with fully automated processing and onboard data handling, the analyzer can perform fast, easy and on-site clinical chemistry testing, and provides over 15 test results using one reagent chip in about 10 minutes with the precision and accuracy equivalent to clinical laboratory analyzer.

Exceptionally Fast and Easy

- About 100 microliters of whole blood, serum or plasma
- Deliver complete results in about 10 minutes
- Walk-away operation mode
- Large memory capacity stores up to 50,000 patient records
- RS232, Ethernet and USB ports easy connectivity to LIS or peripherals
- Full-color touch screen with intuitive user interface
- Self calibrates with every test run



Exceptionally Accurate and Reliable

- Fully automated analytical processing--reducing procedural errors
- Built-in intelligent quality control system--eliminating erroneous results
- One year shelf life of reagent chips--ensuring minimal waste
- Accuracy and precision comparable to laboratory analyzer



Innovative microfluidic chip and advanced lyophilized reagents technology



- Single reagent chip packaging
- One-time use, avoiding cross-infection
- Multiple testing item panels
- Over 15 tests within one reagent chip

Celercare® M1 panel specifications

Liver Panel:

TP、ALB、GLO*、ALB/GLO*、TBIL、DBIL、IBIL*、ALT、AST、GGT、ALP

Renal Panel:

CRE、UREA、UA、CO₂、Ca²⁺、P、ALB

Electrolyte Panel:

K⁺、Na⁺、Cl⁻、CO₂、AG*、Ca²⁺、Mg²⁺、P

Cardiac Enzymes Panel:

CK、CK-MB、LDH、α-HBDH、AST

Glycolipid Panel:

TG、CHOL、HDL-C、LDL-C*、GLU、GSP

General Chemistry I :

TP、ALB、GLO*、ALB/GLO*、TBIL、ALT、UREA、CRE、UA、GLU、TG、CHOL、HDL-C、LDL-C*

General Chemistry II :

K⁺、Na⁺、Cl⁻、CO₂、AG*、GLU、CRE、UREA、AMY

Liver&Renal Panel:

TP、ALB、GLO*、ALB/GLO*、TBIL、ALT、AST、GGT、UREA、CRE、GL

Emergency Panel:

α-HBDH、LDH、AST、CK、CKMB、Cl⁻、K⁺、UA、Na⁺、CO₂、GLU、AMY、CRE

Specification And Technical Parameters

Test sample	whole blood, serum, plasma
Test menu	Liver, Renal, Electrolyte, Cardiac Enzymes etc.
Sample volume	0.1 cc(100ul)
Barcode scanning	Scanner can read bar code of reagent panel
Test time	Approximately 10 minutes
Test principle	Spectrophotometry
Test methods	Rate method, Turbidimetric method, Endpoint method
Reaction temperature	37°C±0.1°C
Working environment	Temperature: 10-30°C humidity: 40%-85%
Calibration method	Multipoint linear calibration, Nonlinear calibration/Barcode calibration
Power requirement	AC100V-240V, 50-60Hz
Data input display	LCD color touch screen
Memory capacity	Large memory capacity stores up to 50000 patient records
Data output	Thermal printer, 2USB ports, 1 Rs 232 port, 1 ethernet port
Dimension	33(H)*23(W)*25.5(L)cm

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