

Xenon light source



Microfluidic Reagent Rotor



Serve on the Space station since April 2021

Clinical Chemistry⁺ - Pointcare[®] cM4 On-site Blood Chemistry Analyzer

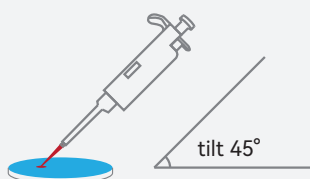
EASY TO USE

Fully automated system - no special operating skills required

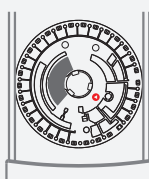
- 4.3 inch capacitive touch screen
- 0.1cc whole blood, serum or plasma.
- Barcoded prefabricated calibration information
- LIS compatible, no need to manually enter patient information.
- Results could be printed through a thermal printer (optional), an office printer or through data management platform (MDMP).
- Ability to print reports with your practice logo by installing the MNCHIP medical data management platform.

QUICK RESULTS

From sample to complete results in 3 simple steps in approximately 7 minutes



1. Add sample



2. Insert disc

		Page Up	Page Down	Open
Name:	Age:			
ID:	Gender:			
Department:	Patient Area:			
Sample type:				
Lot:				
Item Name	Result	Indicator	Ranges	Unit
ALB	45.0		40-50	g/L

3. Read results

PRECISE MEASUREMENTS

Advanced technology ensures precise results

- Microfluidic discs with pre-installed reagent beads ensure accurate analysis of blood samples and reagents.
- Stable measurement optics include a troboscopic xenon lamp, a wavelength selection system, and a multiple-wavelength detector.
- Integrated quality control software monitors the entire process in real time (ensuring consistent analysis of blood samples, reagents, microfluidic discs and chemistry analyzer).

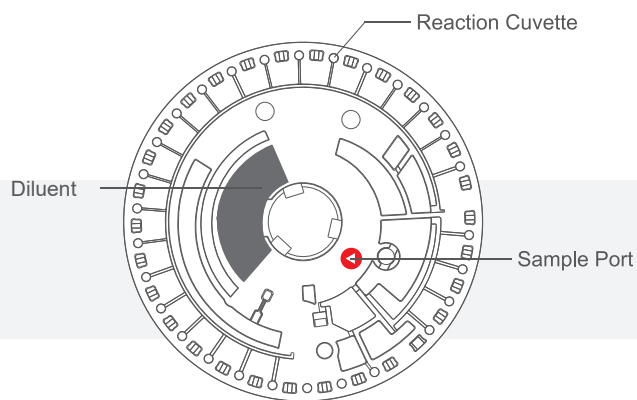
Specifications

Sample Type	Whole blood, Plasma, Serum
Sample Size	100µL
Time to Results	About 7-10minutes
User Interface	Full-color touch screen
Reaction Temperature	37°C±0.2°C
Power Requirement	AC 100V-240V, 50-60HZ
Dimensions	210(L)×125(W)×175(H)mm
Weight	2.5kg

Parameters	Up to 19 parameters in one test, 34 parameters configured into 13 profiles
Reagent Disc	Disposable, prepackaged with self-contained lyophilized reagent
Calibration	Automatic self-calibration by scanning QR Code on the aluminium foil pouch
Quality Control	Built-in Realtime Quality Control(RQC) system
Connection Interfaces	WLAN, USB, Ethernet interface, compatible with HIS
Print Mode	Optional external thermal printer, office printer, MDMP, HIS
Data Capacity	More than 50,000 test results and quality control date
Operation Environment	Temperature 10-30°C, Humidity 40-85%

MNCHIP

Pointcare cM4 Reagent Discs



General Chemistry I Lyophilized Kit
Clinical Emergency Lyophilized Kit
Renal Function Panel Lyophilized Kit
Liver Function Panel Lyophilized Kit
Myocardial Enzyme Panel Lyophilized Kit
Electrolyte Panel Lyophilized Kit
Glucose and Lipid Panel Lyophilized Kit
GLU & Lipid & HCY Panel Lyophilized Kit
General Chemistry II Lyophilized Kit
Liver and Renal Function Lyophilized Kit
Ammonia Panel Lyophilized Kit
General Chemistry IV Lyophilized Kit
General Chemistry V Lyophilized Kit

TP	TP			TP						TP										TP	
ALB	ALB		ALB	ALB						ALB										ALB	
GLO*	GLO*			GLO*						GLO*										GLO*	
A/G*	A/G*			A/G*						A/G*										A/G*	
ALT	ALT			ALT						ALT										ALT	ALT
AST	AST	AST		AST	AST					AST										AST	AST
GGT				GGT						GGT										GGT	GGT
ALP				ALP																ALP	ALP
TBIL	TBIL			TBIL						TBIL										TBIL	
DBIL	DBIL			DBIL																DBIL	
IBIL*	IBIL*			IBIL*																IBIL*	
UA	UA	UA	UA																	UA	
CRE	CRE	CRE	CRE							CRE	CRE									CRE	CRE
UREA	UREA		UREA							UREA	UREA									UREA	UREA
CK		CK				CK															CK
CK-MB		CK-MB				CK-MB															CK-MB
LDH		LDH				LDH															LDH
α-HBDH		α-HBDH				α-HBDH															
AMY		AMY									AMY										
GLU	GLU	GLU						GLU	GLU	GLU	GLU									GLU	
GSP								GSP													
HCY										HCY											
TG	TG							TG	TG											TG	
CHOL	CHOL							CHOL	CHOL											CHOL	
HDL-C	HDL-C							HDL-C	HDL-C											HDL-C	
LDL-C*	LDL-C*							LDL-C*	LDL-C*											LDL-C*	
K ⁺		K ⁺						K ⁺				K ⁺									
Na ⁺		Na ⁺						Na ⁺				Na ⁺									
Cl ⁻		Cl ⁻						Cl ⁻				Cl ⁻									
Ca ²⁺			Ca ²⁺					Ca ²⁺													
P			P					P													
Mg ²⁺								Mg ²⁺													
CO ₂		CO ₂	CO ₂					CO ₂				CO ₂									
NH ₃																					NH ₃

* Calculated test value