



Xenon light source



Microfluidic Reagent Rotor



Serve on the Space station  
since April 2021

## Clinical Chemistry<sup>+</sup> - Pointcare® cM4 On-site Blood Chemistry Analyzer

### EASY TO USE

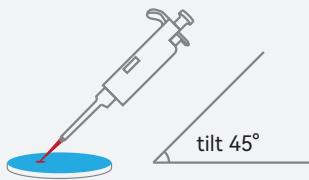
Fully automated system - no special operating skills required

- 4.3 inch capacitive touch screen
- 0.1cc whole blood, serum or plasma.
- Barcoded prefabricated calibration information

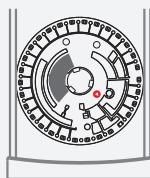
- LIS compatible, no need to manually enter patient information.
- Results could be printed through a thermal printer (optional) , an office printer or through data management platform (MDMP).
- Ability to print reports with your practice logo by installing the MNCHIP medical data management platform.

### 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
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 trichromatic 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

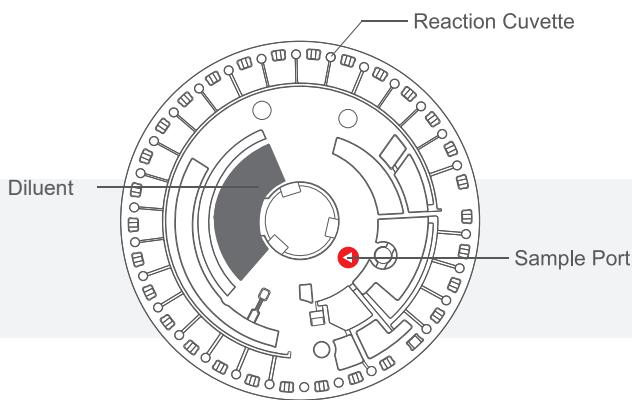
Sample Type	Whole blood, Plasma, Serum	Parameters	Up to 19 parameters in one test, 34 parameters configured into 13 profiles
Sample Size	100µL	Reagent Disc	Disposable, prepackaged with self-contained lyophilized reagent
Time to Results	About 7-10minutes	Calibration	Automatic self-calibration by scanning QR Code on the aluminium foil pouch
User Interface	Full-color touch screen	Quality Control	Built-in Realtime Quality Control(RQC) system
Reaction Temperature	37°C±0.2°C	Connection Interfaces	WLAN, USB, Ethernet interface, compatible with HIS
Power Requirement	AC 100V-240V, 50-60HZ	Print Mode	Optional external thermal printer, office printer, MDMP, HIS
Dimensions	210(L)×125(W)×175(H)mm	Data Capacity	More than 50,000 test results and quality control date
Weight	2.5kg	Operation Environment	Temperature 10-30°C, Humidity 40-85%

MNCHIP

CE ISO 13485 Self-testing

# 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
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	
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 <sup>+</sup>	K <sup>+</sup>			K <sup>+</sup>			K <sup>+</sup>		
Na <sup>+</sup>	Na <sup>+</sup>			Na <sup>+</sup>			Na <sup>+</sup>		
Cl <sup>-</sup>	Cl <sup>-</sup>			Cl <sup>-</sup>			Cl <sup>-</sup>		
Ca <sup>2+</sup>		Ca <sup>2+</sup>			Ca <sup>2+</sup>				
P		P			P				
Mg <sup>2+</sup>					Mg <sup>2+</sup>				
CO <sub>2</sub>		CO <sub>2</sub>	CO <sub>2</sub>		CO <sub>2</sub>		CO <sub>2</sub>		
NH <sub>3</sub>								NH <sub>3</sub>	

\* Calculated test value

Corporate Headquarters

1-4F,Area, No.122 Dongting Rd,  
Development Zone, 300457 Tianjin  
P.R.China

Contact Us

sales@mnchip.com  
service@mnchip.com  
www.mnchip.com

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