



4 modules

Xenon light source Microfluidic Reagent Rotor Four independent optical modules

Clinical Chemistry⁺ - Pointcare® M4x4 Blood Chemistry Analyzer

EASY TO USE

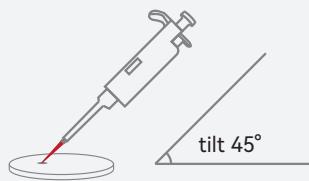
Fully automatic system - no special operating skills required

- The MNCHIP Pointcare® M4x4 combines four independent Pointcare analyzers, therefore having four-times test productivity. Meanwhile, independent analyzer units enable users to conduct ready-to-go tests both with single sample and multiple samples.

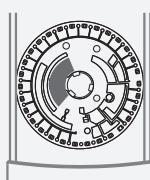
- 100µL whole blood, serum or plasma.
- Barcoded prefabricated calibration information
- LIS compatible, no need to manually enter patient information.
- Results could be printed through data management platform (MDMP).

QUICK RESULTS

From sample to complete results in 3 simple steps in approximately 7-12 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

ACCURATE AND RELIABLE

Advanced technology ensures precise results

- Microfluidics discs with pre-installed reagent pellets 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).

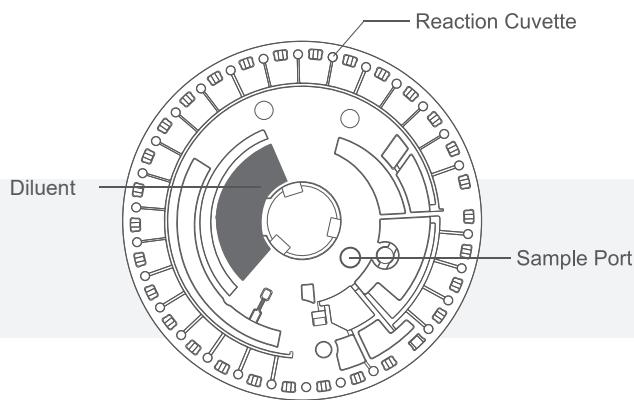
Specifications

Sample Type	Whole blood, Plasma, Serum	Parameters	Up to 19 parameters in one test, 33 parameters configured into 10 profiles
Sample Size	100µL	Reagent Disc	Disposable, prepackaged with self-contained lyophilized reagent
Time to Results	About 7-12 minutes	Calibration	Automatic self-calibration by scanning QR Code on the aluminium foil pouch
Reaction Temperature	37°C±0.2°C	Quality Control	Built-in Realtime Quality Control(RQC) system
Power Requirement	440 VA	Connection Interfaces	USB, LIS/EMR capable
Dimensions	283(L)×324(W)×383(H)mm	Print Mode	External Printer via MNCHIP Medical Data Management Platform/LIS/EMR etc.
Net weight	About 13.5kg	Data Capacity	50,000 test results and quality control date
		Operation Environment	Temperature 10-30°C, Humidity 40-85%

MNCHIP

CE ISO ISO 13485

Pointcare® M4x4 Reagent Discs



	General Chemistry I Lyophilized Kit			Clinical Emergency Lyophilized Kit			Renal Function Panel Lyophilized Kit			Liver Function Panel Lyophilized Kit			Electrolyte Panel Lyophilized Kit			Glucose and Lipid Panel Lyophilized Kit			General Chemistry II Lyophilized Kit			Liver and Renal Function Lyophilized Kit			Ammonia Panel Lyophilized Kit			General Chemistry IV Lyophilized Kit								
TP	TP			TP			TP			TP			TP			TP			TP			TP			TP			TP								
ALB	ALB			ALB	ALB															ALB			ALB			ALB			ALB							
GLO*	GLO*					GLO*														GLO*			GLO*			GLO*			GLO*							
A/G*	A/G*						A/G*													A/G*			A/G*			A/G*			A/G*							
ALT	ALT						ALT												ALT			ALT			ALT			ALT								
AST	AST	AST					AST												AST			AST			AST			AST								
GGT							GGT												GGT			GGT			GGT			GGT								
ALP							ALP																								ALP					
TBIL	TBIL						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							CRE						
UREA	UREA		UREA																UREA	UREA	UREA	UREA							UREA							
CK		CK																																		
CK-MB		CK-MB																																		
LDH		LDH																																		
α -HBDH		α -HBDH																																		
AMY		AMY																		AMY																
GLU	GLU	GLU																	GLU	GLU	GLU	GLU							GLU							
GSP																			GSP																	
TG	TG																		TG																TG	
CHOL	CHOL																		CHOL																CHOL	
HDL-C	HDL-C																		HDL-C																HDL-C	
LDL-C*	LDL-C*																		LDL-C*																LDL-C*	
K ⁺	K ⁺																		K ⁺																	
Na ⁺	Na ⁺																		Na ⁺																	
Cl ⁻	Cl ⁻																		Cl ⁻																	
Ca ²⁺		Ca ²⁺																	Ca ²⁺																	
P		P																	P																	
Mg ²⁺																			Mg ²⁺																	
CO ₂	CO ₂	CO ₂																	CO ₂																	
NH ₃																																	NH ₃			

* Calculated test value