Xenon light source

Microfluidic Reagent Rotor

Serve on the Space station since April 2021

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

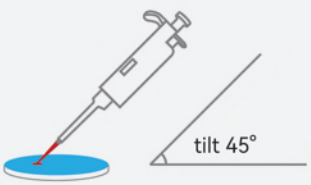
EASY TO USE

Fully automated system - no special operating skills required

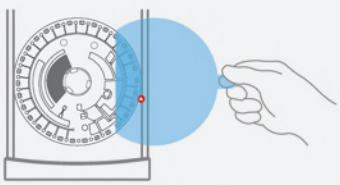
- 4.3 inch capacitive touch screen
- 0.1cc whole blood, serum or plasma.
- Barcoded prefabricated calibration information
- LIS compatible, no need to manually enter patient information.
- Results could be printed through a thermal printer (optional) , an office printer or through data management platform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

QUICK RESULTS

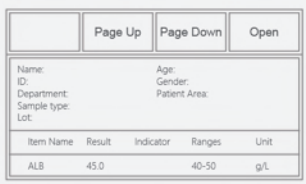
From sample to complete results in 3 simple steps in approximately 7 minutes



1. Add sample



2. Insert disc



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

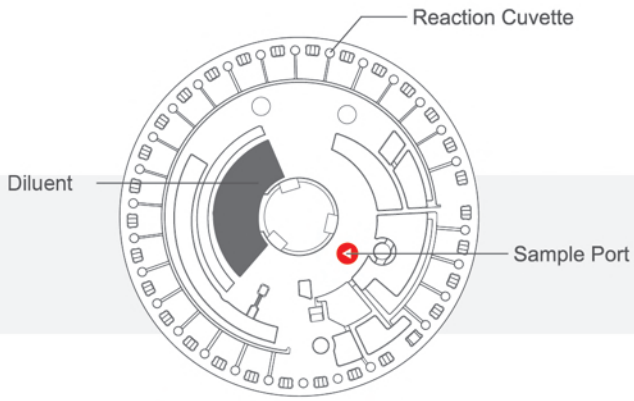
Sample Type	Whole blood, Plasma, Serum
Sample Size	100μL
Time to Results	About 7 minutes
User Interface	Full-color touch screen
Reaction Temperature	37℃±0.1℃
Power Requirement	AC 100V-240V, 50-60HZ
Dimensions	210(L)×125(W)×175(H)mm
Weight	2.5kg

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℃, Humidity 40-85%

MNCHIP

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	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

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