



600 Tests/H

Xenon light source Microfluidic Reagent Rotor Four independent optical modules

Clinical Chemistry⁺ - Helo 300 Blood Chemistry Analyzer

EASY TO USE

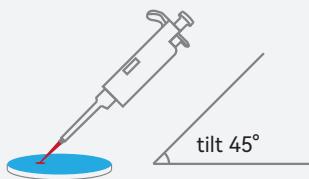
Fully automated system – no special operating skills required

- The MNCHIP Helo 300 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.

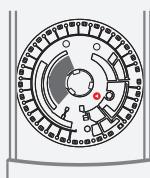
- 0.1cc whole blood, serum or plasma.
- Barcoded prefabricated calibration information
- LIS compatible, no need to manually enter patient information.
- Results could be printed through data management platform (MDMP).

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

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

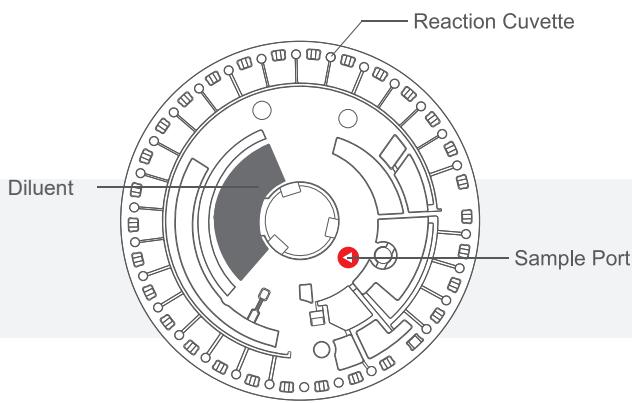
Sample Type	Whole blood, Plasma, Serum	Parameters	Up to 19 parameters in one test, 34 parameters configured into 13 profiles
Sample Size	100µL	Reagent Disc	Disposable, prepackaged with self-contained lyophilized reagent
Test Time	600 tests/hour	Calibration	Automatic self-calibration by scanning QR Code 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	WIFI, USB, Bluetooth, LIS/EMR capable
Dimensions	210(L)×125(W)×175(H)mm x4	Print Mode	External Printer via MNCHIP Medical Data Management Platform/LIS/EMR etc.
Weight	13.5kg	Data Capacity	More than 50,000 test results and quality control data
		Operation Environment	Temperature 10-30°C, Humidity 40-85%

MNCHIP

CE ▲ ISO 13485

Helo 300

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	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 ⁺	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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