

## SPECIFICATIONS

Model	Mispa Maestro
Principle	Ion-Exchange HPLC
Detection Wavelength	415nm
Test Items	HbA1c (s-A1c), HbF
Sample Volume	Blood collection tube: ≥1mL, Sample cup: ≥0.5mL
Maximum Loading Capacity	Up to 50 samples at a time, automated continuous loading
Analysis Mode	Whole blood mode, Pre-dilution mode Variant whole blood mode, Variant pre-dilution mode
Testing Time	Variant mode: 72s/T
Precision	CV ≤ 1%
Detection Range	3% - 20%
Result Unit	NGSP (%), IFCC (mmol/mol)
Working Condition	Temperature: 10°C - 35°C Humidity: 10% - 85%
Data Storage	20000 analysis data with chromatogram 2000 QC data with chromatogram 100 calibration data
Weight	45 kg
Power Source	AC: 100-240V, tolerance ±10% Frequency: 50Hz / 60Hz, tolerance ± 3Hz Input power: 200VA
Dimensions	540mm(L) x 550mm(W) x 570mm(H)
Storage and Transport Condition	Temperature: -10°C - 40°C, Humidity: 10% - 90%, Atmospheric pressure: 70 - 106Kpa

ADS/Mispa Maestro/R00-01/25 Company reserves the right to change any design and technical features of the product at any time, if needed.

## AUTOMATED GLYCOHEMOGLOBIN ANALYZER



ISO 9001 : 2015  
EN ISO 13485 : 2016



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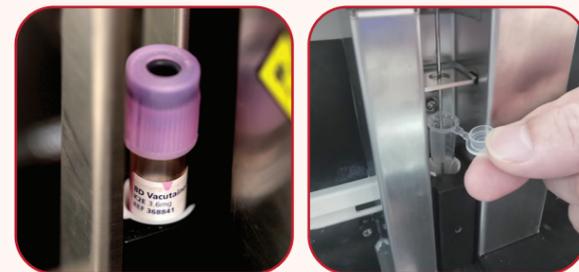
MISPA  
*Maestro*

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## Convenient and High Efficiency

### High throughput

- Variant mode: 72 seconds/sample
- Up to 50 samples at a time
- Automated continuous loading



### Flexible sample loading

- Support blood collection tube
- Support sample cup
- Support Emergency sample

### Convenient operation

- Fully automated analysis
- Automated Turn-ON during work day
- Internal barcode scanner
- Automatic sample stirring function
- Support for quantitative transfer of hemolysis buffer without manual operation



### Intelligent management

Intelligent consumables management:

- Automatic identification of consumable type and expiry date by RFID
- Automatic monitoring the remaining amount of consumables

Perfect user management:

- User login, result review, operation traceability

Support data management:

- HIS/LIS communication



## Great Accuracy and Excellent Precision

Gold standard: Ion-Exchange HPLC methodology  
Good intra-assay and inter-assay repeatability

**CV ≤ 1%**

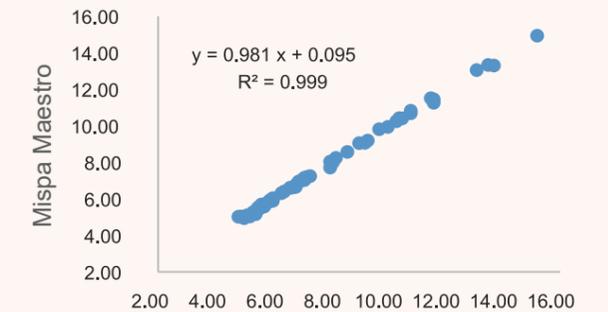
Intra-assay repeatability  
(n=20) HbA1c (% NGSP)

	Low	Middle	High
MEAN	5.26	7.88	10.10
S.D.	0.03	0.05	0.06
C.V.%	0.6%	0.7%	0.6%

Inter-assay repeatability  
(n=20) HbA1c (% NGSP)

	Low	Middle	High
MEAN	5.25	7.89	10.11
S.D.	0.03	0.06	0.07
C.V.%	0.7%	0.8%	0.7%

## Performance Comparison



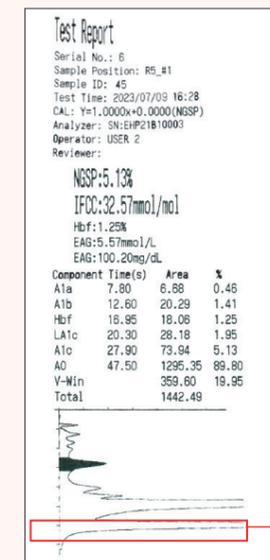
HPLC competitor of international leading brand

## Anti-interference

Free of interference from hemoglobin variant & HbF

Variant analysis mode available, hemoglobin variants can be isolated

## NGSP & IFCC certified



Variants

Variant Mode