

### Optical System

- Full- sealed matrix spectrometric system
- 8 Wavelength, 340-670nm
- Halogen Tungsten Lamp with Lamp Cooling



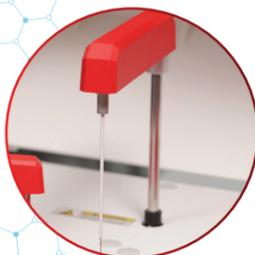
### Eco- Friendly

- Less Water Consumption
- Less Auxiliary Reagent Consumption
- Less Power Consumption



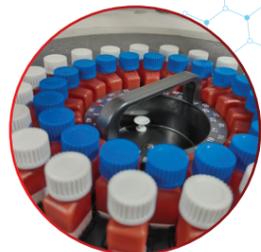
### Ease of Operation

- All in One Touch Screen PC
- Bi-directional LIS connectivity with in-built barcode scanner
- Ease of equipment operation monitoring



### High Performance with Efficiency

- Multifunctional probe with better precision
- Stainless steel Paddle Mixer
- Liquid Level Detection and Probe Collision Protection



### Reagent & Sample Carousel

- 40 reagent and 40 sample position
- Priority for STAT sample
- On-board cooling for reagent tray



### Reaction System

- 50 rigid (UV) disposable cuvettes
- CV less than 1%
- Cuvette along with reagent kit



### In-built Degasser

- Removes dissolved gas from liquid
- No Interference
- Accuracy Guaranteed

### Test Menu

Clinical Chemistry	ALBUMIN	ALKALINE PHOSPHATASE-DGKC	ALKALINE PHOSPHATASE-IFCC	AMYLASE	BILIRUBIN DIRECT
	BILIRUBIN TOTAL TAB	CALCIUM(ARSENAZO)	CHOLESTEROL	CREATININE	CK-NAC
	CREATININE Jaffe	ENZYMATIC CREATININE	GAMMA GT	GLUCOSE	GLUCOSE HEXOKINASE
	HDL-C DIRECT	INORGANIC PHOSPHOROUS	IRON	LDH-P	LDL-C DIRECT
	LIPASE	MAGNESIUM	SGOT	SGPT	TOTAL PROTEIN
	TRYGLYCERIDES	UREA UV	URIC ACID		
Immunoassay	Apo A1	Apo B	ASO	C3	C4
	CERULOPLASMIN	CRP	CRP ULTRA	CYSTATIN C	FERRITIN
	HbA1c DIRECT	IgA	IgE	IgG	IgM
	Lp(a)	MICROALBUMIN	RF	TANSFERRIN	PREALBUMIN

# Technical Specifications

System Function	Throughput	Up to 120 Tests/Hour	
	Methodology	End point, Fixed time, Kinetic	
	Minimum Reaction Volume	150µL	
	Water Consumption	<1.8L/Hour	
Sample Reagent Probe & Mixer	Principle	Colorimetry, Turbidimetry	
	Sample Mode	Random Access, STAT Sample Priority	
	Sample Volume	2-50µL, step by 0.1 µL	
	Sample/Reagent Probe	One probe for Sample and Reagent with Liquid Level Detection, Vertical Collision Detection and Reagent Volume real time monitoring function	
	Sample Disk	40 Sample Positions	
	Sample Tube	Primary tubes and Sample cups	
	Reagent Volume	R1:150-450 µL, R2:10-300µL, step by 1µL	
	Reagent Disk	40 Reagent Positions, 24 hours Onboard Cooling	
	Reagent Bottles	R1-30ml / R2-15ml	
	Mixer	High polished Nano material mixer	
	Reaction System	Reaction Cuvettes	50 cuvettes, UV plastic cuvettes
	Optical System	Reaction Temperature	37±0.1°C
Heater		Metal thermostat for Reaction disk	
Lamp		Halogen Tungsten Lamp, 12V20W, water cooling system	
Filter		FMSS (Full-Sealed Matrix Spectrometric System)	
Wavelength		8 wavelengths: 340,405,450,510,546,578,630,670nm	
Linearity Range		0-3.0Abs	
Accuracy		0.5A: < ± 0.02AbS, 1.0A: < ± 0.04Abs	
CV		<1.0%	
Detector		Photodiode Detector Array	
Cal&QC		Calibration Mode	One point linear, Two point linear, Multi-point linear, Logit-4P, Logit-5P, Spline, Exponential, Polynomial
Software	QC Rule	Westgard multi-rule, Cumulative sum check, Twin plot	
	Operating System	Windows 7/10	
	LIS Interface	Bi-directional LIS Interface	
Others	PC Interface	LAN/RJ45	
	Dimension	720(L) x 450(D) x 550(H)	
	Power Supply	AC 100-240V, 50/60Hz ± 1 Hz, 650VA	
	Net Weight	50Kg	

ADL/Mispa FAB120/R01-08/24 Company reserves the right to change any design and technical features of the product at any time, if needed.

**PRECISION in Every Lab**  
**SAVINGS in Every Test**



ISO 9001:2015  
EN ISO 13485:2016 **CE**

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