

PARAMETERS (PHASE - III)

Item Code	Parameters Code	Parameter	Test Principle /Reaction	Specimen	Duration
Ionic class III**	UIBC	Unsaturated Iron Binding Capacity	End-Point	Serum/Plasma	17 mins
	CU	Copper			
	ZN	Zinc			
	LI	Lithium	Fixed-Kinetic		
Digestive system**	TBA	Total Bile Acids	Kinetic	Serum/Plasma	11.5 mins
	CHE	Cholinesterase			
Special Protein I**	uPTN	Urinary protein	End-Point	Urine	10 mins
Myocardial Enzyme II **	CK-MB	Creatine Kinase- Myoglobin Binding	Kinetic	Serum/Plasma	4 mins
Ionic class IV**	FER	Ferritin	Latex-Enhanced Immunoturbidimetry	Serum	10 mins
	TRF	Transferrin	Immunoturbidimetry		
Ionic class III**	CYS-C	Cystatin-C	Latex-Enhanced Immunoturbidimetry	Serum	31 mins
	CRP	C-Reactive Protein			
	ASO	Anti-streptolysin O			
	RF	Rheumatoid Factors			
	CCP	Anti-Cyclic Citrullinated Peptide	Latex-Enhanced Immunoturbidimetry	Serum/Plasma	
	C3	Complement 3	Immunoturbidimetry	Serum	
	C4	Complement 4			
	MALB	Microalbuminuria	Immunoturbidimetry	Urine	
Infection and allergy**	IgE	Immunoglobulin E	Latex-Enhanced Immunoturbidimetry	Serum/Plasma	3 mins
Blood Lipoprotein III**	Lpa	Lipoprotein (a)	Latex-Enhanced Immunoturbidimetry	Serum	19 mins
	APO AI	Apolipoprotein A I	Immunoturbidimetry		
	APO AII	Apolipoprotein A II			
	APO B	Apolipoprotein B			
Glycometabolism III**	HbA1c	Glycated Hemoglobin	Latex-Enhanced Immunoturbidimetry	Blood	10 mins
Gastric Screen**	PGI	Pepsinogen I	Latex-Enhanced Immunoturbidimetry	Serum	10 mins
	PGII	Pepsinogen II			
Liver Function IV**	PA	Prealbumin	Immunoturbidimetry	Serum	5 mins
Renal Function II**	uTRF	Urine Transferrin Protein	Latex-Enhanced Immunoturbidimetry	Urine	5 mins
Coagulation and Fibrinolysis**	FG	Fibrinogen	Immunoturbidimetry	Serum/Plasma	10 mins
	FDP	Fibrin/ Fibrinogen Degradation Products	Latex-Enhanced Immunoturbidimetry		
Liver Function III **	GLDH	Glutamate Dehydrogenase	Kinetic	Serum/Plasma	10 mins
Blood Lipoprotein II **	PLIP	Phospholipid	End-Point	Serum/Plasma	5 mins

(* are yet to be launched)

(** are under development)

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MATRIX LABS
HEALTHCARE SOLUTIONS

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MCA-II

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Clinical Chemistry Analyzer

(Accurate / Stable / Speed and Compact)

- Unique Technology
- Patented Cuvettes
- Prefilled Reagents R1 & R2
- No Moving Parts
- LED Optics
- Ease of Operation
- Reliable
- Result Accuracy



**Prefilled
Patented Cuvettes**



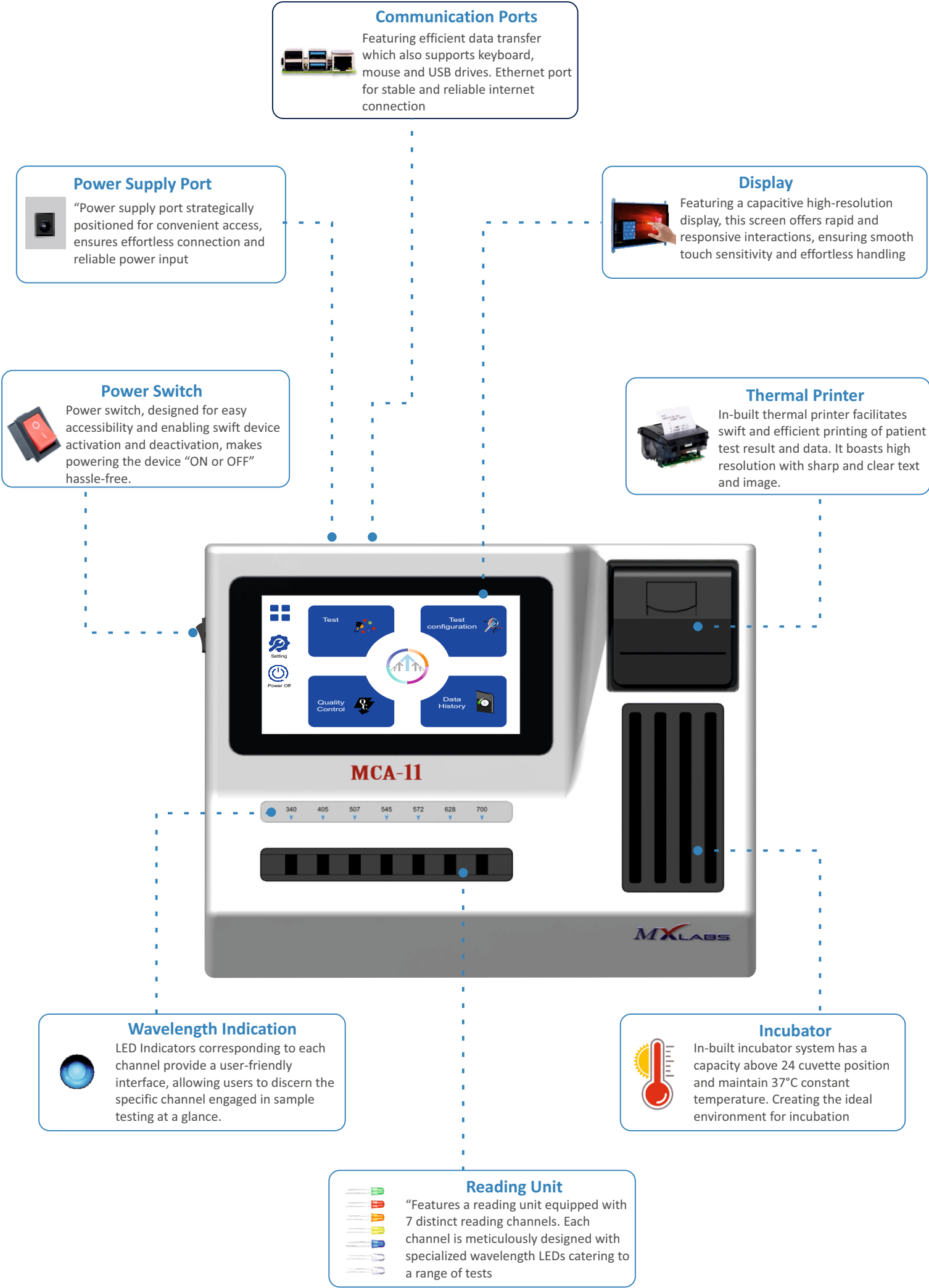
MATRIX LABS
HEALTHCARE SOLUTIONS

Technical Specifications

Analysis Method	End point, Fixed-Kinetics, Kinetics.
Optics	7 Standard Wave Length: 340, 405, 505, 545, 570, 630, 700 nm
Display	7.0" Touch Screen, 800*480 Pixels
Printer	Inbuilt Thermal Printer, 55 mm Printer Paper
Photometric Range	0.000-3.000 Abs
Resolution	0.001 Abs
Incubator	Inbuilt Incubator
Incubator Temperature	37 °C
Memory	Over 300 Programs, 200000 Results Can be Stored
Operational Environment	Temperature: 10~40 °C ; Humidity: 30 - 80 %
Power Requirement	12V 5A DC
Interface	4 USB Host; 1 USB Slave; 1 Ethernet Port, USB Port(host) for Keyboard, Mouse, Printer, U Disk, Barcode Reader etc. USB Port(slave) for PC Connection.
Dimension	330 x 260 x 102 mm(L x W x H)
Weight	2 1/2 Kg

Features

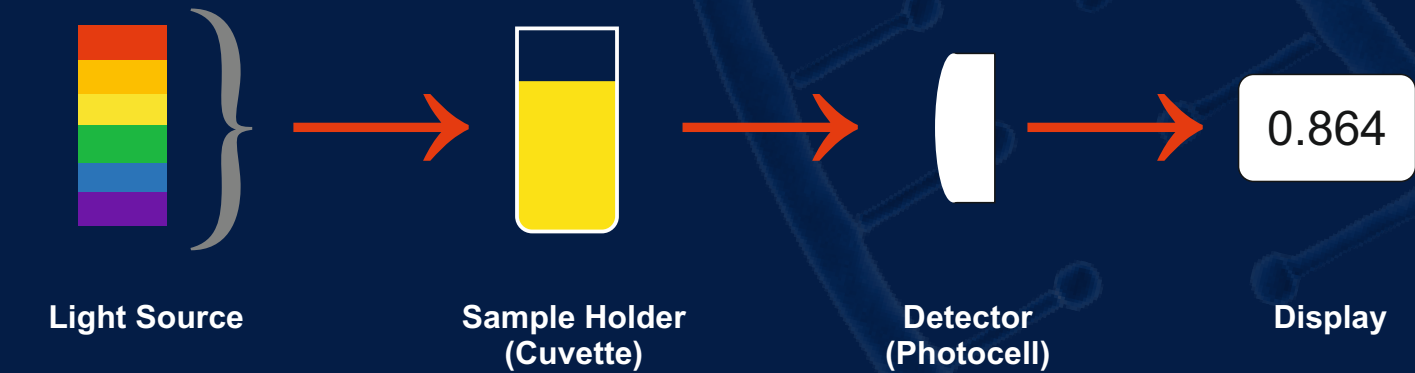
- Mono Test Reagent Format
- Test Mode : Cuvette Type
- User Friendly Software
- Real Time Graph Option
- More than 24 Cuvette Incubation
- No Washing System Required
- No Carry Over and Contamination
- Prefilled Single Test Reagents
- LIS Option for Data Transferring
- Online Software Upgradation



PARAMETERS (PHASE - I)

Item Code	Parameters Code	Parameters	Test Principle /Reaction	Specimen	Duration
Liver Function I	AST	Aspartate Aminotransferase	Kinetic	Serum/Plasma	12 mins
	ALT	Alanine Aminotransferase			
	BIL-T	Bilirubin Total	End-Point		
	ALB	Albumin			
Liver Function II	BIL-D	Bilirubin Direct	End-Point	Serum/Plasma	19 mins
	TP	Total Protein			
	ALP	Alkaline Phosphatase	Kinetic		
	GGT	γ-Glutamyl Transferase	Kinetic	Serum	
Blood Lipoprotein I	CHOL	Total Cholesterol	End-Point	Serum/Plasma	5 mins
	TGL	Triglyceride			
	HDL	High Density Lipoprotein			
	LDL	Low Density Lipoprotein			
Renal Function I	UREA	Urea	Fixed-Kinetic	Serum/Plasma	9 mins
	CREA	Creatinine			
	UA	Uric acid	End-Point		
Myocardial Enzymes I	LDH	Lactate Dehydrogenase	Kinetic	Serum	8 mins
Glycometabolism I	GLU	Glucose	End-Point	Serum/Plasma	12 mins
Pancreatic Function I	α-AMY	α-Amylase	Kinetic	Serum/Plasma	6 mins
Ionic class I	PHOS	Phosphorus	End-Point	Serum/Plasma	5 mins
	CA	Calcium			

Testing Principle



PARAMETERS (PHASE - II)

Item Code	Parameters Code	Detection Indicator	Test Principle /Reaction	Specimen	Duration
Ionic class II*	Mg	Magnesium	End-Point	Serum/Plasma	12 mins
	Na	Sodium			
	K	Potassium			
	Fe	Iron			
	Cl	Chloride			
	CO ₂	Bicarbonate	Fixed-Kinetic	Serum/Plasma	7 mins
	NH ₃	Ammonia	Fixed-Kinetic	Plasma	
Myocardial Enzymes I *	CK-NAC	Creatine Kinase	Kinetic	Serum/Plasma	8 mins
Glycometabolism I *	LACT	Lactate	End-Point	Serum/Plasma	12 mins
Pancreatic Function I *	LIP	Lipase	Fixed-Kinetic	Serum/Plasma	6 mins
Liver Function III *	ADA	Adenosine Deaminase	Kinetic	Serum/Plasma	10 mins
Blood Lipoprotein II *	HCY	Homocysteine	Kinetic	Serum	13 mins
	ACE	Angiotensin Converting Enzyme			

User Interface

LIS

Simple Calibration

Real Time Graph

Calibration History

Printer Setup

Quality Control