

Technical Specifications

Principle	Nephelometry and Turbidometry
Calibration	Smart Card
Light Source	Laser LED 650nm
Laser Power	5mW
Photo Detectors	Laser Detector
Temperature Control	Dry Heating
Temperature Range	Controlled 37 degrees Celsius
Mixing	Automatic by motor
Zero Setting	Automatic
Key Board	Numeric and Functional Keys (21 Keys)
Display	128 x 64 Graphical Display
Printer	Inbuilt Thermal Graphical printer
Barcode Interface	Hand Held (Optional)
PC Interface	RS 232 Port
Power Supply	85-240 VAC 50/60/HZ
Power Consumption	100W

Free Accessories

With Mispa-i2

R1 Pipette 20 - 200 uL	1
Sensor Pipette 20 - 200 ul	1
Micro Pipette 2 - 20 UL	1
Cuvette Stand	1
Pipette Stand	1
Printer Rolls	2

With Reagent Kit

Smart Card	1
Reaction Cuvette	15/30/100
Micro Tips	45/90/300

Mispa-i2, the patented Specific Protein Analyzer (Patent No. 303381) from Agappe is the recipient of All India Management Association (AIMA) innovation award in March 2014, Asian Healthcare Leadership Award in September 2014, Confederation of Indian Industries award for innovation in November 2014, KMA- Corporate Excellence award Innovations in 2015 and it had been proudly invited by ICMR to showcase at the Exhibition on “Innovations in Medical Science and Biotechnology” at Rashtrapathi Bhavan on 11 Mar 2015.

EN ISO 13485:2016 CE

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ADL/BR/12/R10-01/26 Company reserves the right to change any design and technical features of the product at any time, if needed.





Mispa i2

Specific Protein Analyzer



YOUR BEST PARTNER IN DIAGNOSTICS

Product Description

Mispa-i2 is a semi automated specific protein analyzer that offers the benefits like high precision and quick results, for all protein assays and supports the clinical management of variety of disease, such as Diabetes, Cardiovascular risk, Inflammation, Kidney disease etc.

The assays are determined by Nephelometric and Turbidimetric measurement and result accuracy equals the quality of high-end analyzers. Mispa-i2 , uses unique channel shifting technology (UCS) with both Nephelometry and Turbidimetry mode. In UCS, the instrument shifts automatically from Nephelometer to Turbidimetry measurement and vice versa as to provide you the best sensitivity and linearity.



Smart Card Calibration System

- ✓ Innovative Smart Card technology
- ✓ Easy Automated Calibration
- ✓ Multiple Calibration points
- ✓ Parameter Specific Calibration enabled
- ✓ No manual errors
- ✓ No reagent wastage
- ✓ No calibration failure

EASY 3 STEP ASSAY PROCEDURE

Insert Smart Card



Insert the smart card with lot specific calibration data for programming the analyzer as per the display instruction.

Give the samples



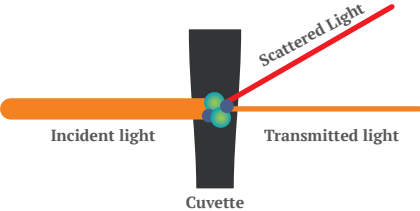
Dispense the start up reagent and sample in to Mispa i2 cuvette for auto incubation and auto start.

Get the results



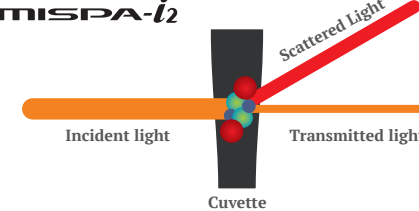
Add reagent R2 as displayed on screen. After the measurement results are printed on the internal printer.

CONVENTIONAL NEPHELOMETER



The incident ray of light will be reflected in conventional Nephelometer. The amount of light absorbed or scattered is directly proportional to the analyte in the sample.

THE NEW GENERATION NEPHELOMETER



Mispa-i2 reagents are coated with latex enhanced antigen antibodies, this process helps to measure the smallest molecule such as Cystatin C or optimal low end sensitivity molecule such as hsCRP.

PARAMETERS AT A GLANCE...

Product Code	Product Name	Pack	Measuring Range	Open vial stability
12009011	Alpha 1 Acid Glycoprotein	15 T	10 – 250 mg/dL	60 Days
12009013	Alpha 1 Anti Trypsin	15 T	40 – 400 mg/dL	60 Days
12009012	Alpha 2 Macroglobulin	15 T	95 – 760 mg/dL	60 Days
12009014	ApoA1	15 T	15 – 300 mg/dL	60 Days
12009015	ApoB	15 T	20 – 330 mg/dL	60 Days
12009016	ASO	15 T	50-1000 IU/mL	60 Days
12009001	ASO	30 T	50-1000 IU/mL	60 Days
12009017	C3	15 T	10 – 300 mg/dL	60 Days
12009018	C4	15 T	3 – 80 mg/dL	60 Days
12009019	Ceruloplasmin	15 T	5 – 100 mg/dL	60 Days
12009020	CRP	15 T	0.5-320 mg/L	75 Days
12009002	CRP	30 T	0.5-320 mg/L	75 Days
12009054	CRP	100 T	0.5-320 mg/L	75 Days
12009021	Cystatin C	15 T	0.1-10 mg/L	60 Days
12009022	D-Dimer	15 T	0.01- 15 µg/mL	60 Days
12009010	D-Dimer	30 T	0.01- 15 µg/mL	60 Days
12009023	Ferritin	15 T	1-1000 ng/mL	60 Days
12009008	Ferritin	30 T	1-1000 ng/mL	60 Days
12009024	Haptoglobin	15 T	15 – 350 mg/dL	60 Days
12009025	HbA1c	15 T	3-13%	45 Days
12009006	HbA1c	30 T	3-13%	45 Days
12009026	IgA	15 T	20 - 630 mg/L	60 Days
12009027	IgE	15 T	5-1000 IU/mL	60 Days
12009028	IgG	15T	360 - 3000 mg/dL	60 Days
12009029	IgM	15 T	15 – 400 mg/dL	60 Days
12009030	Lambda Light Chain	15 T	40 – 400 mg/dL	60 Days
12009050	Kappa Light Chain	15 T	89 – 800mg/dL	60 Days
12009031	Lp(a)	15 T	1-100 mg/dL	60 Days
12009032	Microalbumin	15 T	5-150 mg/L	75 Days
12009033	Prealbumin	15 T	9 – 75 mg/dL	60 Days
12009034	RF	15 T	10-100 IU/mL	60 Days
12009003	RF	30 T	10-100 IU/mL	60 Days

25 Parameter Assay Panel | Smart Card Calibration | Prozone Detection System | Unique Channel Shifting Technology
500 Result Memory | 3 Step User Friendly Procedure | LIS Compatibility | Auto Rotation & Auto Mixer
Auto Incubation | 30 Min. Battery Backup | NGSP Approved HbA1c Reagents | Graphical Display