

Mispa i3

Parameters at a Glance

Product Code	Product Name	Pack	Unit	Measr. Range	Reff. Range	Expiry
52014004	ASO	30 T	IU/mL	50 - 1000	0 - 200	9 months
52014007	CRP	30 T	mg/L	0.5-300	0.0 - 6.0	9 months
52014057	CRP	60 T	mg/L	0.5-300	0.0 - 6.0	9 months
52014010	RF	30 T	IU/mL	10 - 100	0 - 18	9 months
52014019	HbA1c	30 T	%	3 -15	4 - 6	9 months
52014005	HbA1c	60 T	%	3 -15	4 - 6	9 months
52014013	Microalbumin	30 T	mg/L	5 - 200	0 -25	9 months
52014023	Ferritin	10 T	ng/mL	1 -750	30 - 220	9 months
52014025	Ferritin	30 T	ng/mL	1 -750	30 - 220	9 months
52014014	Cystatin C	10 T	mg/L	0.1-10	0.55 -1.15	9 months
52014052	IgM	10 T	mg/dL	15-400	35 -220	9 months
52014038	hsCRP	10 T	mg/L	0.1 - 10	0.0 - 3	9 months
52014020	IgE	10 T	IU/mL	5 - 1000	28 - 140	9 months
52014054	IgG	10 T	mg/dL	360 - 3000	840 - 1700	9 months
52014053	IgA	10 T	mg/dL	35 - 630	70 - 400	9 months
52014044	Lp(a)	10 T	mg/dL	1 - 115	0 - 30	9 months
52014032	Apo A1	10 T	mg/dL	15 - 300	107 - 205	9 months
52014033	Apo B	10 T	mg/dL	20 - 330	60- 138	9 months
52014034	C3	10 T	mg/dL	14 -400	90 - 180	9 months
52014035	C4	10 T	mg/dL	4 - 80	9 - 36	9 months
52014037	Haptoglobin	10 T	mg/dl	15-350	32-205	9 Months
52014026	D -Dimer	10 T	mg/L	0.05-15	0-0.5	9 Months
52014027	D -Dimer	30 T	mg/L	0.05-15	0-0.5	9 Months
52014036	Ceruloplasmin	10 T	mg/dl	7 -101	22-61	9 Months
52014055	H. Pylori	10 T	U/mL	3-100	0 - 10	9 Months
52014056	Vitamin D	10 T	ng/mL	7-100	*	9 Months
52014058	Vitamin D	30 T	ng/mL	7-100	*	9 Months
52014059	PCT	10 T	ng/mL	0.3-70	**	9 Months
52014060	PCT	30 T	ng/mL	0.3-70	**	9 Months
52014062	Kappa Free Light Chain	30T	mg/L	02 -90	2.3-20.7	9 Months
52014061	Lambda Free Light Chain	30T	mg/L	04 -90	4.2-27.6	9 Months

GLOBAL REVOLUTION AT ITS BEST

*Deficiency: <20 | Insufficiency : 20 -30 | Sufficiency : 30 -100 | Hyper Vitaminosis : >100
**Normal: <0.3 | Suspected Mild Infection: 0.3 - 0.5 | Systemic Infection : 0.5 - <2 | Severe Sepsis : 2 - 10 | Septic Shock : >10

Technical Specifications

Test Method	Nephelometry & Turbidimetry
Display	7” Colour TFT Display
Light Source	Laser LED 650 nm
Weight	7.5 Kg Without Battery
Laser Power	5 mw
Temperature Control	Dry Heating
Temperature	Controlled 37° C ± 0.2° C
Photo Detector	Silicon Diode
Calibration	Smart Card Calibration
User Interface	Touch Screen Display
Printer	Inbuilt Thermal Graphic Printer
Barcode Reader	Hand Held Reader (optional)
PC Interface	RS 232 Port(Data Transmission, External Barcode)
Power Supply	85-265 VAC 50/60Hz
Power Consumption	100 W
Result Storage	1000 Result
Minimum Sample Volume	80 µl
Reagent	CE Certified IVD Reagent Cartridges
Dimensions (L x W x H)	380 x 353 x 352 mm

Accessories : Instrument	
Mispa-i3 Instrument	1 No.
Pipette	1 No.
Bottle Stand	1 No.
Waste and water bottle	2 Nos.
Printer Roll	2 No.
User Manual	1 No.

EN ISO 13485:2016



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Mispa i3

Automated Cartridge Based Specific Protein Analyzer



YOUR BEST PARTNER IN DIAGNOSTICS

ADL/BR/i3/R09-01/26 Company reserves the right to change any design and technical features of the product at any time, if needed.

Product Description

Mispa-i3 is an automated Cartridge based specific protein analyzer that offers the benefits of fully Auto analyzer, such as high precision and quick results, for all protein assays.

Clinical Profile Management

- 1. Diabetes.
- 2. Cardiovascular Risk.
- 3. Acute Renal Dysfunction.
- 4. Inflammation, Allergy & many more.

Increased workflow efficiency

- 1. Dual Channel System: Nephelometry and Turbidimetry.
- 2. Prefilled and sealed cartridges with convenient pack size.
- 3. Enhanced reagent stability – Up to 9 months.
- 4. Barcode identification for test specific cartridges, sample and patient identification.
- 5. Smart card calibration for reagent & cost saving.
- 6. Auto-mixing, Incubation and measurements for fast results with less operator intervention.

Confidence in results

- 1. Proven nephelometric technology with increased sensitivity.
- 2. 3 level QC function is available for each parameter.
- 3. Optimal alignment of reagents and system
- 4. Prozone detection system to check false negative results.



Simple 3 Step Assay Procedure

1

Add sample in reagent cartridges

2

Load the cartridge in the analyzer

3

After 5-8 minutes, result is printed

Efficient operation: Easy to use

The key to analyzer’s efficiency is easy to operate.

Mastering the Mispa-i3 requires no special knowledge, which means it can be put to use almost immediately.

Single Cartridge system with multi point smart card calibration removes the hectic manual calibration process and ensure error free testing for all the specific protein assays.

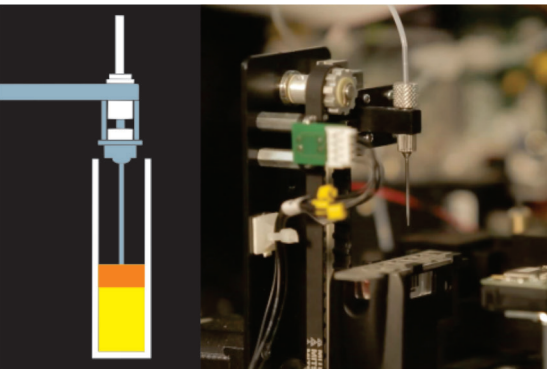
Comprehensive solutions

Broad menu available from one source: Over 25 assay protocols available for determination in various body fluids.

Consolidation of special and routine parameters to support disease state management.

Innovative assays:

- 1. NGSP certified HbA1c reagent.
- 2. hsCRP – A trendsetting assay acknowledged as independent marker of cardiovascular risk.
- 3. Cystatin C – Early marker for the glomerular filtration rate.
- 4. D-dimer- Early marker for deep vein thrombosis and pulmonary embolism.

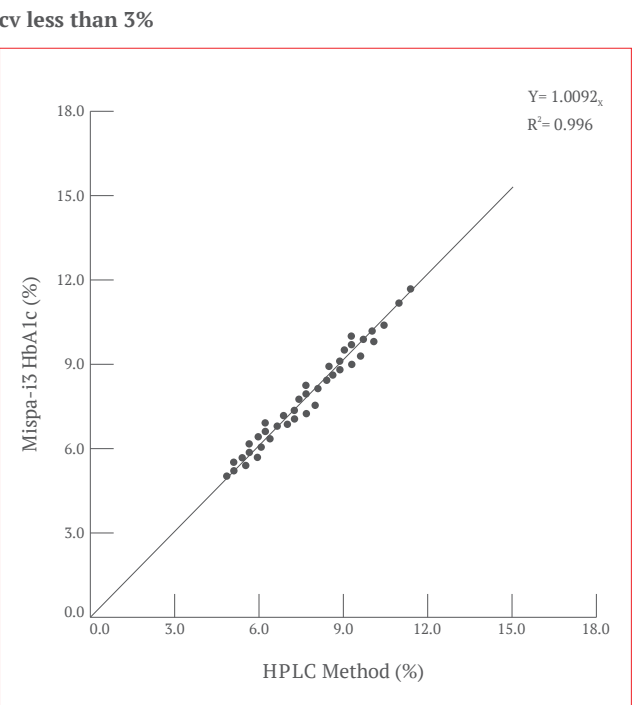


Inject Aspiration system (IAS): Aspirate desired volume of sample and test reagent to provide precise and accurate result. This will reduce manual pipetting errors.

Benefit: Auto - Dilution | Auto - Washing | Mixing of the solution.

Smart Data Management System

- 1. Delivers a comprehensive overview of results for each patient with demographic details.
- 2. Integrates test results from multiple parameter for one patient ID.
- 3. Simplifies data management and data. transfer using RS232 port.



Correlation Graph Mispa-i3 with HPLC (For HbA1c)

Certified HbA1c Reagents

Smart Card Calibration

Unique Channel Shifting Technology

Evaluation Report (NGSP)

40 samples are analyzed by Agappe Diagnostics Ltd. and compared by European reference laboratory, ESRL#10 has got excellent correlation of 0.996 with all data in the acceptable limit and ≤ 3 % CV.

