

Product Code	Product Name	Pack	Unit	Measr. Range	Reff. Range	Expiry
12014004	ASO	30 T	IU/mL	50 - 1000	0 - 200 IU/mL	9 months
12014007	CRP	30 T	mg/L	0.5 - 160	0.0 - 6.0 mg/L	9 months
12014010	RF	30 T	IU/mL	10 - 100	0 - 18 IU/mL	9 months
12014019	HbA1c	30T	%	Mar-13	4 - 6 %	9 months
12014013	Microalbumin	30 T	mg/L	5 - 150	0 - 25 mg/L	9 months
12014023	Ferritin	10 T	ng/mL	1 - 750	30 - 220 ng/mL	9 months
12014014	Cystatin C	10 T	mg/L	0.1 - 10	0.56 - 1.02 mg/L	9 months
12014052	IgM	10 T	mg/dL	15 - 400	35 - 220 mg/dL	9 months
12014038	hsCRP	10 T	mg/L	0.15 - 10	1.0 - 2.9 mg/L	9 months
12014020	IgE	10T	IU/mL	5 - 1000	28 - 140 IU/mL	9 months
12014054	IgG	10 T	mg/dL	360 - 3000	840 - 1700 mg/dL	9 months
12014053	IgA	10T	mg/dL	70 - 630	110 - 410 mg/dL	9 months
12014044	Lp(a)	10 T	mg/dL	1 - 115	up to 50 mg/dL	9 months
12014032	Apo A1	10T	mg/dL	15 - 300	107 - 177	9 months
12014033	Apo B	10 T	mg/dL	20 - 330	60 - 138	9 months
12014034	C3	10 T	mg/dL	14 - 400	90 - 180 mg/dL	9 months
12014035	C4	10 T	mg/dL	Apr-80	9 - 36 mg/dL	9 months

## Technical Specifications

Test Method	Dual Test Method Nephelometry & Photometry
Display	7" Colour TFT Display
Light Source	650 nm Laser
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	Inbuilt Barcode Reader & Hand Held Reader (optional)
Syringe Pump	500 µl with 0.125 µl/Pulse Resolution
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
<b>Accessories : Instrument</b>	
Mispa-i <sub>3</sub> Instrument	1 No.
Pipette	1 No.
Bottle Stand	1 No.
Waste and water bottle	2 Nos.
Printer Roll	2 No.
User Manual	1 No.



**AGAPPE**



AGS/BB/15/005/03/17 Company reserves the right to change any design and technical features of the products at any time, if needed.

**GLOBAL REVOLUTION AT ITS BEST**

ISO 9001:2008  
EN ISO 13485:2012



Toll Free No: 1800 425 7151

**AGAPPE DIAGNOSTICS SWITZERLAND GmbH**

Knonauerstrasse 54 - 6530 Cham, Switzerland.

Tel: +41 41 780 60 10 | Fax: +41 41 780 60 11 | info@agappeswiss.com | www.agappeswiss.com

**YOUR BEST PARTNER IN DIAGNOSTICS**

**MISPA-i<sub>3</sub>**

Automated Cartridge Based Specific Protein Analyser

# MISPA-i3

Automated Cartridge Based Specific Protein Analyser

## Product Description

Mispa-i3 is an automated Cartridge based specific protein analyser that offers the benefits of fully Auto analyser, such as high precision and quick turnaround 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 for reagents
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
7. Secure interruption of assay runs for calibration and reloading – no loss of data

## Confidence in results

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



## Simple 3 Test Assay Procedure

1 Add sample in reagent cartridges



2 Load the cartridge in the analyser



3 After 5-8 minutes, result is printed



# MISPA-i3

Automated Cartridge Based Specific Protein Analyser

## Efficient operation: Easy to use

The key to analyser's efficiency is ease 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 system removes the hectic manual calibration process and ensure error free testing for all the reagents for specific assay.

## Comprehensive solutions

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

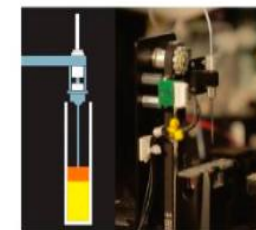
Consolidation of special and routine parameters to support disease state management

## 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

# MISPA-i3

Automated Cartridge Based Specific Protein Analyser



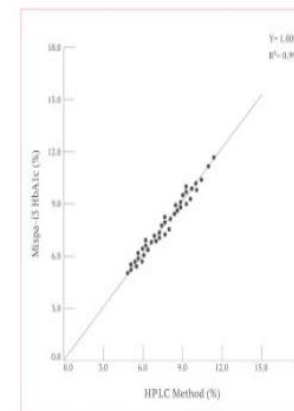
**Inject Aspiration system (IAS):** Aspirate desired volume of sample and test reagent to provide precise and accurate result.

**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

cv less than 3%



Correlation Graph Mispa-i3 with HPLC (For HbA1c)



## Evaluation Report (NGSP)

Samples in HbA1c ranges outline in the NGSP method comparison procedure. For the method, comparison and quality analysis, 40 samples are analyzed by Agappe and by European reference laboratory, ESRL+10.



INNOVATION AT ITS FINEST



**PT. MULTIMEDILAB KARYAMANDIRI**  
MEDICAL & LABORATORY EQUIPMENTS

GP Plaza Lantai 3 Unit 6 Jl. Gelora II No. 01 RT. 01/01,  
Kelurahan Gelora Kecamatan Tanah Abang, Jakarta Pusat  
10270 – INDONESIA  
Telp. (021) 3972-9191 (hunting). Fax. (021) 3972-9195