

**MISPA
VIVA**



Semi-Auto Biochemistry Analyzer

MISPAVIVA

Semi-Automated Clinical Chemistry Analyzer

YOUR BEST PARTNER IN DIAGNOSTICS

MISPAVIVA

Semi-Automated Clinical Chemistry Analyser

Seven reasons - One choice

1 Embedded system with 5.7" TFT LCD color display with popup keypad

- ÿ Better menu clarity
- ÿ Better visibility of reaction curve & data
- ÿ Can switch off while at any menu or at any stage
- ÿ User-friendly software to save time

Offers unparalleled convenience

2 ALD Function

- ÿ ALD function to ensure extended life for the lamp
- Significant power saving - low maintenance expense*

3 Direct Access Key

- ÿ Direct access to test menu - ready for work at any time
- ÿ Eliminates the need to memorize test menu number

Offers convenience and saves time

4 Accuracy Enhancing Features

- ÿ High precision of 0.0001 resolution and excellent reproducibility
- ÿ Aspiration air gap and Auto Empty Function after each sample

Offers enhanced Accuracy and rules out the carry over

5 Calculated Tests

- ÿ Option to get calculated test results for TF %, LDL, LDL/HDL ratio, MA/CRT ratio globulin etc.

Offers enhanced Accuracy and rules out the carry over

6 5000 Test Results memory

- ÿ Effective retrieval system- by date, patient ID or test name

Enhanced storage and convenience

7 18000 QC result memory

- ÿ Designed with three levels of QC function
- ÿ QC statistics displayed with Levy Jennings control chart with Westgard algorithm

High quality reporting



THE SYNERGY OF SUPERIOR TECHNOLOGY & QUALITY

MISPAVIVA

Semi-Automated Clinical Chemistry Analyser

Smart System

Mispa Viva is a compact, simple, reliable semi-automated biochemistry analyser capable to perform tests on whole blood, serum, plasma, cerebrospinal fluid and urine as sample.

Simple user friendly step by step instructions to ensured consistent results on which user can rely. Mispa Viva is designed to offer the best performance to laboratories looking toward achieving highest efficiency with optimal operative cost.

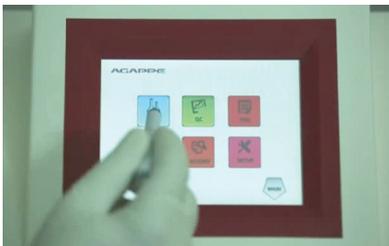
Energy Matched Filter (EMF)

- ÿ Ensures long filter life
- ÿ Offers equal & stable intensity at all wavelengths for accurate estimation of test parameters
- ÿ Offers high degree of optimization, precise and accurate results



Operational Flow

Select Test



Select the test using the stylus as per required test parameters.

Aspirate sample and reagent



Aspirate reagent and sample using aspiration switch.

Get the results



After the measurement results are printed on the internal printer.

ERA Flow Cell

- ÿ Ensures clear light passage - for accurate and reproducible results
- ÿ Copper flow cell holder - quickly achieves stable temperature for optimal reaction
- ÿ Specially designed 30 μ L flow cell - low sipping volume
- ÿ Dual operating channel – Flow cell & cuvette
- ÿ Offers unmatched accuracy economically



Technical Specifications

<p>Photometric Module</p> <ul style="list-style-type: none"> ÿ 6 interference filters (EMF) 340, 405, 505, 546, 578 and 630 nm and 2 optional ÿ Band width (8 nm) ÿ Silicon Photo Diode detectors ÿ Photometric range from 0 to 2.5 O.D ÿ Halogen lamp of 12 V, 20 W 	<p>Display</p> <ul style="list-style-type: none"> ÿ Touch screen and popup key pad ÿ View Area 120 x 92 mm ÿ 25 test menu in each screen ÿ Touch pen provided for easy scratch proof operation of touch screen
<p>Measuring Module</p> <ul style="list-style-type: none"> ÿ Dual mode (Flow cell & Cuvette) ÿ 30 µL flow cell volume ÿ 10 mm square cuvette ÿ Variable temperature range through 25°C, 30°C, 37°C by means of Peltier controlled elements ÿ Minimum aspiration volume – 300 µL ÿ Carry Over Elimination Facility ÿ Standard & Sample Repeat Facility 	<p>Printer</p> <ul style="list-style-type: none"> ÿ Inbuilt High Resolution 57 mm Graphic Thermal Printer ÿ Customized print set up: (Printer 'ON' or 'OFF' mode Graph Print 'ON' or 'OFF' mode Detailed print mode with Lab Name & Doctor Name Brief Print Mode)
<p>Analysis Mode</p> <ul style="list-style-type: none"> ÿ 1-Point linear & non linear ÿ 2-Point linear & non linear ÿ 1-Point sample blank linear & non linear ÿ Rate linear & non linear ÿ Absorbance ÿ Immunoturbidimetry ÿ Bichromatic ÿ Kinetic with calibration ÿ Kinetic with factor ÿ Off System Tests ÿ Calculated Tests 	<p>Memory</p> <ul style="list-style-type: none"> ÿ 200 defined programs ÿ 5000 Test Results ÿ Reagent Blank storage ÿ 18000 Control Results ÿ Built in Calibration History ÿ Help Function Key
<p>Calibration Curve</p> <ul style="list-style-type: none"> ÿ Up to 9 calibration points ÿ Up to 3 replicates per point ÿ Axis: Linear and log 	<p>Result Recall</p> <ul style="list-style-type: none"> ÿ Collated Report by Date, ID ÿ Date and Test wise
<p>Quality Control</p> <ul style="list-style-type: none"> ÿ Westgard's Algorithm ÿ Levey-Jennings chart 	<p>Interface</p> <ul style="list-style-type: none"> ÿ LIS compatibility ÿ Port for external Key board, RS 232 Port
	<p>Power</p> <ul style="list-style-type: none"> ÿ Power supply: 85 - 265 V AC, 50-60Hz, 90W
	<p>Dimension</p> <ul style="list-style-type: none"> ÿ 362 x 364 x 195 (L x W x H) ÿ Weight: 6 kg

ISO 9001:2015
EN ISO 13485:2016



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