

# Technical Specifications

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

ISO 9001 : 2015  
EN ISO 13485 : 2016



Toll Free No: 1800 425 7151

**AGAPPE DIAGNOSTICS LTD.**

"Agappe Hills", Pattimattom (PO), Dist. Ernakulam, Kerala - 683 562, India.  
TEL: + 91 484 2867000 | productcorp@agappe.in | www.agappe.com

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**MISPAVIVA**

Semi-Automated Clinical Chemistry Analyser

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# 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 ensure consistent results on which user can rely. Mispa Viva is designed to offer the best performance to laboratories looking towards achieving highest efficiency with optimal operative cost.

### Energy Matched Filter (EMF)

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



## Operational Flow

Select Test	Aspirate Reaction Mixture	Get The Results
		
Select the test using the stylus as per required test parameters.	Aspirate reaction mixture using aspiration switch.	After the measurement results are printed on the internal printer.

## ERA Flow Cell

- Ensures clear light passage - for accurate and reproducible results.
- Copper flow cell holder - quickly achieves stable temperature for optimal reaction.
- Specially designed 30 µL flow cell - low sipping volume.
- Dual operating mode – Flow cell & Cuvette.
- Offers unmatched accuracy.



# MISPAVIVA

Semi-Automated Clinical Chemistry Analyser

## Seven Reasons - One Choice

- 1 Embedded system with 5.7" TFT LCD color display with popup keypad**
  - Better menu clarity
  - Better visibility of reaction curve & data
  - Can switch off while at any menu or at any stage
  - User-friendly software to save time*Offers unparalleled convenience*
- 2 ALD Function (Automatic Lamp Dim)**
  - ALD function to ensure extended life for the lamp*Significant power saving - low maintenance expense*
- 3 Direct Access Key**
  - Direct access to test menu - ready for work at any time
  - Eliminates the need to memorize test menu number*Offers convenience and saves time*
- 4 Accuracy Enhancing Features**
  - High precision of 0.0001 resolution and excellent reproducibility
  - Air gap aspiration and Auto Empty Function after each sample*Offers enhanced Accuracy and rules out the carry over*
- 5 Calculated Tests**
  - Option to get calculated test results for TF %, LDL, LDL/HDL ratio, MA/CRT ratio globulin etc.*Offers convenience in testing*
- 6 5000 Test Results memory**
  - Effective retrieval system- by date, patient ID or test name*Enhanced storage and convenience*
- 7 18000 QC result memory**
  - Designed with three levels of QC function / Test
  - QC statistics displayed with Levy Jennings control chart with Westgard algorithm*Ensures High quality reporting*



**THE SYNERGY OF SUPERIOR TECHNOLOGY & QUALITY**