 Parameters at a Glance  

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</th>
<th>Pack</th>
<th>Unit</th>
<th>Measr. Range</th>
<th>Refl. Range</th>
<th>Expiry</th>
</tr>
</thead>
<tbody>
<tr>
<td>12014004</td>
<td>ASO</td>
<td>30 T</td>
<td>mL</td>
<td>0.5-1000</td>
<td>0 - 200</td>
<td>9 months</td>
</tr>
<tr>
<td>12014007</td>
<td>CRP</td>
<td>30 T</td>
<td>mg/L</td>
<td>0.5-500</td>
<td>0.0 - 6.0</td>
<td>9 months</td>
</tr>
<tr>
<td>12014010</td>
<td>RF</td>
<td>30 T</td>
<td>mL</td>
<td>10 - 1000</td>
<td>0 - 18</td>
<td>9 months</td>
</tr>
<tr>
<td>12014019</td>
<td>HbA1c</td>
<td>30 T</td>
<td>%</td>
<td>1 - 15</td>
<td>4 - 8</td>
<td>9 months</td>
</tr>
<tr>
<td>12014053</td>
<td>Microalbumin</td>
<td>30 T</td>
<td>mg/L</td>
<td>5 - 200</td>
<td>0 - 25</td>
<td>9 months</td>
</tr>
<tr>
<td>12014025</td>
<td>Ferritin</td>
<td>10 T</td>
<td>mg/ml</td>
<td>1 - 750</td>
<td>50 - 220</td>
<td>9 months</td>
</tr>
<tr>
<td>12014014</td>
<td>Ceruloplasmin</td>
<td>10 T</td>
<td>mL</td>
<td>0.1 - 10</td>
<td>0.5x - 1.02</td>
<td>9 months</td>
</tr>
<tr>
<td>12014052</td>
<td>IgM</td>
<td>10 T</td>
<td>mg/L</td>
<td>15 - 400</td>
<td>35 - 230</td>
<td>9 months</td>
</tr>
<tr>
<td>12014026</td>
<td>Insulin</td>
<td>10 T</td>
<td>mg/L</td>
<td>0.15 - 10</td>
<td>1.0 - 2.9</td>
<td>9 months</td>
</tr>
<tr>
<td>12014021</td>
<td>IgG</td>
<td>10 T</td>
<td>IU/mL</td>
<td>5 - 1000</td>
<td>28 - 140</td>
<td>9 months</td>
</tr>
<tr>
<td>12014055</td>
<td>IgA</td>
<td>10 T</td>
<td>mg/L</td>
<td>150 - 500</td>
<td>600 - 1700</td>
<td>9 months</td>
</tr>
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<td>12014056</td>
<td>IgM</td>
<td>10 T</td>
<td>mg/L</td>
<td>35 - 650</td>
<td>310 - 410</td>
<td>9 months</td>
</tr>
<tr>
<td>12014012</td>
<td>Lp(a)</td>
<td>10 T</td>
<td>%</td>
<td>1 - 115</td>
<td>up to 30</td>
<td>9 months</td>
</tr>
<tr>
<td>12014032</td>
<td>Apo A-1</td>
<td>10 T</td>
<td>mg/L</td>
<td>15 - 500</td>
<td>107 - 177</td>
<td>9 months</td>
</tr>
<tr>
<td>12014033</td>
<td>Apo A-2</td>
<td>10 T</td>
<td>mg/L</td>
<td>10 - 350</td>
<td>60 - 278</td>
<td>9 months</td>
</tr>
<tr>
<td>12014034</td>
<td>C5</td>
<td>10 T</td>
<td>mg/L</td>
<td>14 - 400</td>
<td>90 - 180</td>
<td>9 months</td>
</tr>
<tr>
<td>12014035</td>
<td>C4</td>
<td>10 T</td>
<td>mg/L</td>
<td>4 - 80</td>
<td>9 - 56</td>
<td>9 months</td>
</tr>
<tr>
<td>12014037</td>
<td>Haptoglobin</td>
<td>10 T</td>
<td>mg/L</td>
<td>15 - 350</td>
<td>52 - 205</td>
<td>9 Months</td>
</tr>
<tr>
<td>12014022</td>
<td>D-Dimer</td>
<td>10 T</td>
<td>mg/L</td>
<td>0.5 - 10</td>
<td>0.5 - 5</td>
<td>9 Months</td>
</tr>
<tr>
<td>12014016</td>
<td>Cystatin C</td>
<td>10 T</td>
<td>mg/L</td>
<td>2 - 101</td>
<td>22 - 81</td>
<td>9 Months</td>
</tr>
</tbody>
</table>

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±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**: 50µl with 0.125µl Pulse Resolution
- **PC Interface**: RS 232 Port( Data Transmission, External Barcode)
- **Power Supply**: 85-265 VAC 50/60Hz
- **Result Storage**: 1000 Result
- **Minimum Sample Volume**: 80 µl
- **Reagents**: CE Certified IVD Reagent Cartridges

**Accessories / Instrument**

- Mispa-i3 Instrument: 1 No.
- Pipette: 1 No.
- Bottle Stand: 1 No.
- Waste and water bottle: 2 Nos.
- Primer Roll: 2 Nos.
- User Manual: 1 No.
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. 5 QC level testing for each parameter
3. Optimal alignment of reagents and system
4. Prozone detection system to check false negative results

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

Benefit:

1. 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

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

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