Samsung LABGEO HC10
Inspiring Confidence with Fast & Accurate Diagnosis

Samsung LABGEO PT10
CLINICAL CHEMISTRY ANALYZER

Samsung LABGEO IB10
IMMUNOASSAY ANALYZER
**FAST**

- **Rapid Performance and High Throughput**
  - Test to results within 45 seconds (80 tests/hour)
  - Automatic dual detection chamber

**EASY**

- **Simple 3 Step Test**
- **Auto Sample Loader**
  - Enhances workflow
  - Reduces risk of infection
- **Optional External Devices**
  - USB Keyboard
  - Barcode Scanner
  - USB External Printer

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**KEY FEATURE**

- **Size & Weight**: 344 x 293 x 390mm, 12.8kg
- **Parameters**: WBC, LYM, MON, GRA, LYM%, MON%, GRA%, HCT, RBC, MCV, MCH, RDW, MCHC, PLT, PCT, MPV, PDW
- **Sampling Volume**: 25 μl of whole blood (50 μl of whole blood in pre-diluted mode)
- **Sampling Method**: Open tube system with automatic sample rotor
- **Tube Size**: 13 x 75 / 11 x 65 / 11 x 40mm, Vials OD smaller than 17mm
- **Reagent**: Diluent 20L, Lyse 1L, Cleaner 1L, Hypocleaner 1L
- **Data Capacity**: 1,000 results with RBC, PLT, and WBC 3-part histograms
- **Operating Temperature**: 59-86°F (15–30°C); optimal temperature at 77°F (25°C)
- **Built-in Printer**: Axiohm thermal printer module, roll paper (58 mm wide)
- **UI Language Support**: Korean, English, Chinese, Spanish, Portuguese, French, Russian, Indonesian, Italian
- **Interface**: 4 x USB 1.1 Port, 1 x Ethernet (10/100 Base-T)
- **Power Supply**: DC 12V, 5A, 60W

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**PERFORMANCE**

**Precision**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Linearity</th>
<th>Range of Mean</th>
<th>Median CV(%)</th>
<th>Standard CV(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBC</td>
<td>10^6 cells/μL</td>
<td>0.0 ~ 75.0</td>
<td>4.3 ~ 8.4</td>
<td>1.58</td>
<td>3</td>
</tr>
<tr>
<td>Hgb</td>
<td>g/dL</td>
<td>6.0 ~ 25.0</td>
<td>10.7 ~ 15.1</td>
<td>0.84</td>
<td>2</td>
</tr>
<tr>
<td>RBC</td>
<td>10^6 cells/μL</td>
<td>0.00 ~ 8.00</td>
<td>4.24 ~ 5.06</td>
<td>1.28</td>
<td>2</td>
</tr>
<tr>
<td>PLT</td>
<td>10^6 cells/μL</td>
<td>9 ~ 1,000</td>
<td>192 ~ 380</td>
<td>3.33</td>
<td>6</td>
</tr>
</tbody>
</table>

**Accuracy**

- **RBC**
- **Hgb**
- **WBC**
- **PLT**

*Please refer to the Samsung LABGEO**

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**COMMON FEATURE**

- **Proactive Customer Service**
  - Real-time monitoring and error diagnosis
  - Immediate response from service team

- **IT Solution**
  - Connect to local PC for efficient data management

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**RMS IT Solution**

- **Connect to local PC for efficient data management**

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**Prepare sample** (EDTA tube)

**Load sample & Press start**

**Check results within 45 seconds**

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*Please refer to the Samsung LABGEO** manual for the compatible printer lists.