MrLH-96 Dx Data Sheet

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Weight</th>
<th>Flux</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension</td>
<td>1224mm<em>753mm</em>1111mm</td>
<td>274 kg</td>
<td>96</td>
<td>2-200 ul</td>
</tr>
<tr>
<td>Loading Capacity</td>
<td>22 Plates</td>
<td></td>
<td></td>
<td>2μl: &lt;±10%</td>
</tr>
<tr>
<td>Principle</td>
<td>Air replacement</td>
<td></td>
<td></td>
<td>5μl: &lt;±2.5%</td>
</tr>
<tr>
<td>Precision</td>
<td>2μl: &lt;5%</td>
<td></td>
<td></td>
<td>50μl: &lt;±5%</td>
</tr>
<tr>
<td></td>
<td>5μl: &lt;2%</td>
<td></td>
<td></td>
<td>150μl: &lt;±1%</td>
</tr>
<tr>
<td></td>
<td>50μl: &lt;1%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MrLH-96 Dx Automated Sample Preparation System

MrLH-96 Dx

High-throughput

English UI Screenshots
MrLH-96 Dx Applications

Library Quantification

NGS Library Prep

Library Normalization

Hybrid Capture

Pooling

LIMS Docker

MrLH-96 Dx Features

Highly Automated, Less Manpower Needed
- 24 plates position with plates stack function. No need to add reagents and consumables during the DNA seq process, achieve fully automated.

Easy to Connect with LIMS
- Automatically code scanning, pre-set the data in software database to read directly in LIMS.

High Quality Compatible Reagents
- More compatible with GeneMind reagents

Compatible with Inheco Temperature Control Module
- Precise temperature control with an Inheco PCR instrument and a temperature-controlled oscillation Module.

MrLH-96 Dx Features Introduction

96 Throughput Pipette + Electric grippers
- High precision 96-channel pipettes (gas displacement mode), which can be operated in a single row, single column, and single tip to ensure pipetting stability and reproducibility. Highly compatible grippers can accurately move all consumables including tip boxes, deep well plates, and PCR plates, freely move consumables from the PCR plate position.

UV Sterilization System
- Equipped with 2 UV lights, the radiation dose is higher than 100,000μW.s/cm²

Independent Temperature Control Module
- Two independent temperature control parts of 4~95°C and three adapters of different plates are equipped as standard to solve the problem of long-term storage of reagents.

Automatic Code Scanning System
- Equipped with an automatic barcode scanner and database inputting system ensure the LIMS docking data interaction easy and simple.

Air Purification System
- With integrated Air Purification System, filtration efficiency up to 99.995% @ 0.3μm.

Cameras
- Equipped with 2 high-definition cameras, which can automatically record 30s video before and after the error, and accurately locate the cause of the error.

Cantilever Touchscreen PC
- Equipped with a cantilever touch screen PC, which can be adjusted to any location by your choice.

Consumables Stacking System
- The specially designed consumable stacking system can stack 3 PCR plates, which can guarantee full automation with no manpower on site.

Inheco Temp-Control Oscillation Accessories
- The Inheco temperature-controlled oscillation accessories imported from Germany not only ensure the stability of the oscillation but also have the accuracy of temperature control within the range of 4~70°C, which perfectly matches the NGS hybridization capture process.

Emergency Stop Function
- The one-button stop emergency suspension function greatly improves the factor of safety in emergency situations.

Desktop PCR Instrument
- Achieve full automation under no manpower on site with the Inheco PCR instrument.