Thank you for purchasing an Agilent G5471A/G5489A/G5472A/G Labware MiniHub. To get you started and to assure a successful and timely installation, please refer to this specification or set of requirements.

Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an information guide AND checklist prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment.

Customer Responsibilities

Make sure your site meets the following specifications before the installation date. For details, see specific sections within this checklist, including:

- The necessary laboratory or bench space is available.
- The environmental conditions for the lab as well as laboratory gases and plumbing.
- The power requirements related to the product (e.g., number & location of electrical outlets).
- The required operating supplies necessary for the product and installation.
- Please consult Other Requirements section below for other product-specific information.
- For more details, see the Laboratory Setup Requirements section in the Labware MiniHub Safety and Installation Guide (part number G5471-90004).

If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.

Important Customer Information

1. If you have questions or problems in providing anything described as a Customer Responsibility above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.

2. Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.

3. Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.
Dimensions and Weight

Identify the laboratory bench space before your system arrives based on the following figure and table. Pay special attention to the total height and total weight requirements for all system components you have ordered and avoid bench space with overhanging shelves.

Special Notes
1. The MiniHub must be installed vertically on a level, stiff surface that is stable. A deformable and non-stable support will greatly reduce the device speed and accuracy, and possibly cause errors.
2. For base mounting and performance specifications, see the Labware MiniHub Safety and Installation Guide (part number G5471-90004).

Figure. Labware MiniHub dimensions: A. System model, B. BenchBot model, and C. BenchCel model
The following figure shows the MiniHub power supply (part number 0950-5725), which is included. The length of the power supply cord is 1.82 m (6.0 ft). The length of the power cord is 1.82 m (6.0 ft).

### Environmental Conditions

Operating your instrument within the recommended temperature ranges insures optimum instrument performance and lifetime.

**Special Notes**

1. Performance can be affected by sources of heat & cold e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
2. The site’s ambient temperature conditions must be stable for optimum performance.
3. The Labware MiniHub is for indoor use only.

<table>
<thead>
<tr>
<th>Instrument Description</th>
<th>Operating temp range °C (F)</th>
<th>Operating humidity range (%)</th>
<th>Pollution degree</th>
<th>Installation category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labware MiniHub (G5471A/G5489A/G5472A/G)</td>
<td>4 to 40 °C</td>
<td>20% to 90% RH, non-condensing</td>
<td>2</td>
<td>II</td>
</tr>
</tbody>
</table>
Power Consumption

Special Notes
1. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.
2. The MiniHub uses a standard power supply (part number 0950-5725), which is included.

<table>
<thead>
<tr>
<th>Instrument Description</th>
<th>Line Voltage &amp; Frequency (V, Hz)</th>
<th>Maximum Power Consumption (VA)</th>
<th>Maximum Power Consumption (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labware MiniHub (G5471A/G5489A/G5472A/G)</td>
<td>100 to 240 V~, 47/63 Hz</td>
<td>5.42 A at 240 V~</td>
<td>130</td>
</tr>
</tbody>
</table>

Required Operating Supplies by Customer

Special Notes
1. For information on Agilent consumables, accessories and laboratory operating supplies, please visit [http://www.chem.agilent.com/en-US/Products/consumables/Pages/default.aspx](http://www.chem.agilent.com/en-US/Products/consumables/Pages/default.aspx)

<table>
<thead>
<tr>
<th>Item Description (including dimensions etc)</th>
<th>Vendor's Part Number (if applicable)</th>
<th>Recommended Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integration plate (G5472A/G BenchCel Model)</td>
<td>Agilent G5400-20029</td>
<td></td>
</tr>
<tr>
<td>Extra shelves (Optional):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G5471A System model</td>
<td>Agilent G5508-10000 (16)</td>
<td></td>
</tr>
<tr>
<td>G5489A BenchBot Model</td>
<td>Agilent G5508-10000 (13)</td>
<td></td>
</tr>
<tr>
<td>G5472A/G BenchCel Model</td>
<td>Agilent G5400-10007 (10)</td>
<td></td>
</tr>
</tbody>
</table>
Other Requirements

WARNING: Pinch hazard! Be careful to keep your fingers out of the path of the shelves. Keep your fingers out of the area between the bottom-most shelves and the base.

For Safety Guidelines, see the Labware MiniHub Safety and Installation Guide (part number G5471-90004).

Important Customer Web Links

- For additional information about Agilent automation solutions, please visit our web site at http://www.agilent.com/en-us/products/automation-solutions
- Need to get information on your product?
- Need to know more?
- Need technical support, FAQs? www.agilent.com/crosslab

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