Purpose of Procedure
To ensure that the installation site is properly evaluated and prepared with the appropriate utilities, consumables and supplies for the successful installation of AGILENT instruments and systems.

Customer Responsibilities
Customers should ensure that all necessary operating supplies, consumables and usage dependent items such as columns, vials, syringes and solvents required for the successful installation of instruments and systems are available. Installation sites should be prepared in accordance with the following specifications. An AGILENT customer engineer will call approximately 2 weeks prior to installation to confirm site readiness.

Important Information
This checklist is designed to be used in conjunction with the AGILENT 1100 Series LC/MSD Site Preparation Manual. If you have problems providing any of the following, please contact your local AGILENT office for assistance. Assistance with user specific applications may be provided but should be contracted separately. Users of the instrument should be present throughout the installation and familiarization otherwise important operational, maintenance and safety information may be missed.

Procedure Checklist

**IMPORTANT:** The LC/MSD Trap control PC (DN533S Compaq D530) ships with a default operating system of Windows XP SP1a. In addition, a bootable image recovery CD-ROM set is included containing this default configuration. **However,** if the customer prefers to have a Windows 2000 SP4 operating system installed, please contact Product Support to have this recovery image CD-ROM set sent prior to installation. The Win XP recovery image CD-ROM set must then be returned to Product Support in exchange.

AGILENT G2440AA/CA/DA, G2451AA XCT Mainframe

**Footprint:**

- Weight: 80 kg  Height: 55.2 cm
- 176 lb  21.7 in
- Depth: 69.6 cm  Width: 75.4 cm
- 27.4 in  29.7 in

**Maximum cabinet dimensions:***

- Weight: 83.0 kg  Height: 64.2 cm
- 182.0 lb  25.2 in
- Depth: 75.1 cm  Width: 82.0 cm
- 29.6 in  32.2 in

E1M18 Mechanical Pump:

- Weight: 32.0 kg  Height: 23 cm
- 70.4 lb  9.2 in
- Depth: 51.0 cm  Width: 17.0 cm
- 20.4 in  6.8 in

AGILENT G1947A APCI and G1971A APPI Interfaces:**

- Weight: 1.7 kg  Height: 23 cm
- 3.75 lb  9.2 in
- Depth: 13.0 cm  Width: 18 cm
- 5.1 in  7.1 in

AGILENT G1948A API-ES Interface:**

- Weight: 1.7 kg  Height: 17 cm
- 3.75 lb  6.8 in
- Depth: 9.5 cm  Width: 18.0 cm
- 3.7 in  7.1 in

AGILENT G1982B Nanospray Interface:**

- Weight: 1.7 kg  Height: 17 cm
- 3.75 lb  6.8 in
- Depth: 9.5 cm  Width: 18.0 cm
- 3.7 in  7.1 in
* Maximum cabinet dimensions are for an Agilent G2440CA/DA (VL/SL), or G2451AA XCT, with an Agilent G1947A APCI interface installed, or a G2455AA XCT Prot Soln with a G1982B nanospray interface installed.

** At least 30 cm (1 ft) to the left of the instrument and at least 5 cm (2 in) to the rear should be added to the maximum cabinet dimensions to provide adequate airflow and instrument access.

**Environmental Conditions**

Temperature: 15 to 35 °C (59 to 95 °F) at constant temperature (variations <3 °C/hr).
Analytical specifications will be met within the temperature range of 21 °C ± 3 °C (70 °F ± 6 °F)

Humidity: <95% relative, non-condensing.

**Power**

U.S. & Japan: 200 - 210 VAC, +5%/-10%
50/60 Hz ± 5%
2000 VA max

Europe: 220 - 240 VAC, +5%/-10%
50/60 Hz ± 5%
2000 VA max

**Heat Dissipation**

2000 Watts (6800 BTU / hour)

**Nitrogen Gas Supply**

Purity: 99.99% or better - Cylinder
99.5%, or better - Nitrogen gas generator or Liq. N₂
Dewar
The balance should consist of oxygen and/or argon and must be hydrocarbon free (<0.1 ppm hydrocarbons).
Pressure: 80-100 psi. One 1/4" Swagelok.
Volume: Up to 15 liters/min. outlet fitting is required to connect the LC/MSD

**Helium Gas Supply**

Purity: 99.999% or better
Pressure: 60-80 psi maximum
Helium Usage: < 5sccm/min (standard cubic centimeter)
Exhaust Venting Requirements
Capacity: Up to 15 liters/min. with separate exhaust lines for pump and API source

Remote Diagnostics
One analog phone line is recommended to provide remote diagnostics capability for the LC/MSD Trap. A second phone line is also strongly recommended for communication with the system operator. Finally, Internet access with instrument control PC is highly recommended because Agilent can employ an interactive WebEx session for access to users desktop entirely under the control of the customer.

Solvents and Supplies
Iso-Propanol, Methanol and Acetonitrile: HPLC grade purity is required
MiliQ water or HPLC Grade water is recommended
Buffer: Acetic acid (recommended), Ammonium Formate
Eppendorf pipettes (10-100µl and 100-1000µl)
Eppendorf pipette tip

<table>
<thead>
<tr>
<th>Line Voltage</th>
<th>120V AC</th>
<th>230V AC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass Spectrometer</td>
<td>200V - 210V AC 50/60Hz ± 5%</td>
<td>220V - 240V AC 50/60Hz ± 5%</td>
</tr>
<tr>
<td></td>
<td>+5% - 10%</td>
<td>+5% - 10%</td>
</tr>
<tr>
<td>Dual Phase</td>
<td>16A Max</td>
<td>Single Phase</td>
</tr>
<tr>
<td></td>
<td>16A Max</td>
<td>16A Max</td>
</tr>
<tr>
<td>Computer Hardware</td>
<td>100V - 240V AC 50/60 Hz (110V AC)</td>
<td>100V - 240V AC 50/60 Hz (230V AC)</td>
</tr>
<tr>
<td>Printer LaserJet</td>
<td>100V - 120V AC 50/60 Hz</td>
<td>220V - 240V AC 50 Hz</td>
</tr>
<tr>
<td>(Purchase separately)</td>
<td>3.3A, 1 outlet 0.1A (US) 0.05A (Europe) 1 outlet</td>
<td></td>
</tr>
<tr>
<td>Syringe Pump</td>
<td>115VAC – 230VAC 50/60 Hz</td>
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</tr>
<tr>
<td></td>
<td>(Include with G2440AA/CA/DA and G2451AA)</td>
<td></td>
</tr>
<tr>
<td>LC 1100</td>
<td>100V - 240V AC 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>(Purchase separately)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Number of outlets varies with actual configuration

Note:
This table lists operation power for G2440AA/CA/DA and G2451AA LC/MSD Trap and its accessories.