



ChemStation B.04.03 – Site Preparation Checklist

Thank you for purchasing an Agilent solution. To get you started and to assure a successful and timely installation of your Agilent software, 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 computing requirements for your site. It may also recommend tools where needed, that will help you get started.

For additional information, please visit our web site at <http://www.chem.agilent.com/en-US/Pages/HomePage.aspx>

Customer Responsibilities

Make sure your site meets the following **prior to the installation date using the checklist below.**
For details, see specific sections within this document, including:

- the **computing environment** and the **necessary space** is made available,
- the **number & location of electrical outlets** for your computer systems and peripherals are planned
- that your site **meets the software, hardware and networking specifications** below
- locate your sales order information, software authorization codes and/or software licenses/certificates**
- the necessary **software media, disks etc are available** including upgrade/update disks
- that a **suitable backup solution** is identified for your software
- availability of a system/network administrator** as needed to connect to your intranet
- please consult **Other/Special Requirements** section below for other product-specific information
- If Agilent is delivering installation and familiarization services, users of the system should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.**
- Complete Final Check: Software Site Preparation Tool**
Please visit the following Agilent website to download the Software Installation Site Preparation Tool.
<http://www.chem.agilent.com/en-US/Support/Downloads/Utilities/SWSitePrepTool/Pages/Default.aspx>

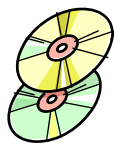
Important Customer Information

1. If you have questions or problems in providing anything described as a *Customer Responsibilities* 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.



ChemStation B.04.03 – Site Preparation Checklist

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.



Software Specifications (Workstations/Clients/Servers)

Special Notes:

- Detailed information on how to set up Windows Operating System for optimal ChemStation usage is located on the ChemStation DVD under the manuals\installation\Configure and Maintain your Agilent Computer directory.
- For an upgrade installation, refer to the detailed steps in the “Upgrade Preparation Guide for Rev. B.04.03 ChemStation” (P/N G2170-90235).
- Applies to the following products:- G2070BA / G2071BA / G2072BA / G2073BA / G2090BA / G2170BA / G2171BA / G2180BA / G2710BA / G1601BA / G2201BA

| Specification Description | Minimum | Recommended (if applicable) | Comments (if applicable) |
|---------------------------------------|--|--------------------------------|-----------------------------|
| Operating system type(s), versions | Windows XP Professional Service Pack 3 or Windows Vista Business Service Pack 2 (32-bit versions only) Windows 7 Professional or Enterprise (32-bit version only) | | |
| O/S .NET & other add-ons | Microsoft® NET 3.5 Service Pack 1 | | |
| Language settings/compatibility | English/Chinese/Japanese | | |
| Regional settings/compatibility | English-US for English and non-English OS / English ChemStation b. Chinese for Chinese OS / Chinese ChemStation c. Japanese for Japanese OS / Japanese ChemStation | | |
| Account settings/privileges | Administrator logon required to the ChemStation PC | | |
| Specific drivers | Check if a printer driver is installed on the system | | |
| Temp folder | TEMP variable points to an existing directory (e.g. TEMP=C:\TEMP) | | |

**ChemStation B.04.03 –
Site Preparation Checklist****Computer Hardware
~~Software Specifications~~
Specifications
(Workstations/Clients/Servers)****Special Notes:**

1. All PC hardware needs to be listed respectively in the Windows XP Professional, Windows Vista or Windows 7 Hardware Compatibility List.
2. The voltage setting of the computer system and the power cables have to be correct.

| Specification Description | Minimum | Recommended (if applicable) | Comments (if applicable) |
|-----------------------------------|---|--|-----------------------------|
| Processor type & speed | Pentium IV processor operating at 1.5 GHz or higher for Windows XP and 3.4 GHz or higher for Windows Vista/Windows 7 | | |
| Memory | 512 MB of RAM for XP 1 GB of RAM for Vista/7 | 1 GB of RAM for XP 2 GB of RAM for Vista/7 | |
| Internal Storage/devices/media | Hard-disk with at least 40 GB free capacity for XP and 160 GB for Vista. DVD-ROM drive | | |
| External Storage/devices/media | N/A | | |
| Video devices | SVGA or better graphics adapter and monitor (minimum resolution 1280 x 1024), True Colors | | |
| Audio devices | N/A | | |
| Printing devices | A printer supported by the current version of the ChemStation. For further information please contact your local service representative or refer to the ChemStation DVD- ROM under Support/Printer. | | |
| Pointing devices | Microsoft Windows compatible pointing device | | |

**ChemStation B.04.03 –
Site Preparation Checklist****Networking Specifications****Special Notes:**

1. Please verify if your instruments support GPIB or USB-GPIB connection.

| Specification Description | Minimum | Recommended (if applicable) | Comments (if applicable) |
|---|--|-----------------------------|---|
| Network type, bandwidth, speed, protocol etc | LAN interface with TCP/IP protocol installed and LAN card (J4100A JetDirect card or G1369A/B LAN card) for instrument available. | | |
| Additional network or instrument devices/cards requirements | 82350A/B GPIB card available with one free IRQ on the PC and one free PCI slot 82357A/B USB-GPIB Interface | | (See Note 1 above) 82350A/B GPIB cards are not supported under Windows 7 |
| Bootp service | Install BootP Service, if necessary | | |

**Other/Special Requirements****1. Instrument Hardware Requirements for LC, GC, CE and LC/MS**

- Check if Firmware revisions of instruments and modules are appropriate for ChemStation B.04.03

For LC systems only:

- If Firmware is not current, ask customer to upgrade to minimum Firmware A.06.1x/B.06.1x/B.06.3x required with Rev. B.04.03 ChemStation.
- The firmware requirements of your specific LC module can be found on the ChemStation DVD, LC Firmware Update; FW*.pdf. Please use the record outlined in the “ACE Firmware Update form”. These forms can be found in the “Custom Template” folder of the ACE installation.
- The FW upgrade process is described in the manual coming with the FW upgrade tool, placed on the ChemStation DVD, LC Firmware Update.



ChemStation B.04.03 – Site Preparation Checklist

For GC systems only:

If the firmware is not current, ask the customer to upgrade to the minimum firmware. For previously qualified systems, please use the GC IQ Attachment form to record the change.

It is recommended to upgrade to the minimum firmware listed in the table:

| Instrument | Minimum Firmware Revision |
|--|--|
| 7890A GC System | A.01.11 |
| 7820A GC System | 7820A.01.10.013.1.bin (English, Chinese, Japanese) 7820A.01.10.013.Ru.bin (Russian) |
| 6890N GC System | N.06.07 for 7693A support and N.05.06 LAN assembly 04.7B3 |
| 6890Plus, 6890A | A.03.08 |
| 6850 GC serial# >= US10243001 | A.06.02 for 7693A support and A.05.04 LAN assembly 04.7B3 |
| 6850 GC serial# <= US00003200 | A.03.07 for 7693A support and A.03.03 |
| Agilent 6850 Handheld Controller (G2629A) | A.05.06 (Not supported with 7693A) Disconnect 7693A to use Handheld controller |
| 35900E | E.01.02 |
| 5890 Series II | A.03.02 |
| 4890D | A.01.01 |

Agilent “Instrument Utilities” is used to update firmware. The latest firmware can be downloaded from the following Agilent Technologies website: http://www.chem.agilent.com/scripts/cag_firmware.asp

For CE systems only:

- ❑ If the firmware is not current, ask the customer to upgrade the G1600A to the minimum firmware:
Mainframe: 2.3; DAD: 1.2

For LC/MS systems only:

- ❑ Update the LC/MSD firmware by running the executable c:\Chem32\MS\FIRMWARE\msupdate.exe while connected to the LC/MSD.
- ❑ Before upgrading the LC/MSD ChemStation to revision B.04.03, perform a dual polarity Autotune to verify instrument tune performance and to generate a record of current tune parameters.

2. ChemStation Add-on Solution requirements

Check for installed Add-On Solutions.

Before installing the Add-On solution, verify the correct revision of the Add-On Solution Products for ChemStation B.04.03, please refer to the “Upgrade Preparation Guide for Rev. B.04.03 ChemStation, Pub number G2170-90235”, available on the ChemStation DVD, Manuals.

Rev. A/Rev. B. Upgrades:

All Add-On Products need to be uninstalled BEFORE upgrading to the B.04.03 ChemStation:

General:



ChemStation B.04.03 – Site Preparation Checklist

- ChemStore
- ChemAccess
- ChemStation Plus Security Pack
- Other: _____

For LC, LC/MS systems only:

- Purify Software
- Active Splitter
- G1979A Multi-Signal Output Accessory (Side Box)
- Analyst
- Easy-Access
- Data Browser
- G3383AA Control for CTC PAL Autosampler
- Other: _____

For GC systems only:

- Companion (No longer an add-on beginning with B.01.01)
- G2080AA/BA Retention Time Locking (No longer an add-on beginning with B.03.01)
- G2924AA HeadSpace
- G3382AA Control for CTC PAL Autosampler
- G6586AA Low Thermal Mass (LTM)
- G2887BA SIMDIS
- G7300AA Easy SamplePrep
- Other: _____

ChemStation System Customization

- Check if “User.mac” is present in xx:/hpchem/core directory or xx:/chem32/core directory
- Ask customer if any customization has been done and back up all customized macro files.
- For Rev. A Upgrades only: Regarding impact on customized macros due to the upgraded ChemStation structure point customer to the available documentation *.

Additional Familiarization Upgrades from Rev. A to Rev. B ChemStation

- Explain the modified ChemStation structure (e.g. ChemStation.ini)
- Outline the new integrator features
- Outline the integrator changes and inform about the available documentation*
- Outline the change for the “old” spectra tool and inform about the available documentation*.

*Detailed information regarding the integration/spectra update, macro changes etc. can be found in the Upgrade Preparation Guide for Rev. B.04.03.

3. Important web links

- a. Microsoft Hardware Compatibility Lists
<http://www.microsoft.com/whdc/hcl/default.msp>
- b. Links to specific O/S fixes, updates needed
<http://support.microsoft.com/>