Analyst™ Agilent Upgrade Service Pack Release Notes

Version 1.3

The Applied Biosystems/MDS SCIEX ***Analyst***™ Agilent Upgrade service pack adds the following capabilities to the Analyst 1.1 software:

- Adds support for the Agilent 1100 Isocratic pump (G1310A).
- Adds support for the Agilent 1100 capillary pump (G1376A) and micro-autosampler (G1389A) with and without the thermo-compartment (G1330A). Note that different combinations of the capillary pump and micro-autosampler may be known by different Agilent product ordering numbers such as G1388A, G1382A, G1387A, etc. However, these all use the same capillary pump and/or micro-autosampler that this upgrade supports.
- Adds support for the temperature control in the thermostatted standard autosampler (G1329A). The G1330A thermo-compartment must be connected to the G1329A.
- Adds support for the well plate autosampler (G1367A) with or without the thermo-compartment (G1330A). Note that a G1367A with a G1330A is known as a G1368A in Agilent ordering information.
- Adds support for the micro-well plate autosampler (G1377A) with or without the thermo-compartment (G1330A).
- Includes the Agilent Bug Fix 1.2 service pack to correct the problem with serial communications using new Agilent firmware A.04.0x and new electronics and to fix the problem with column oven getting stuck in equilibrate when a temperature of –274 is used.
- Includes Agilent Bug Fix 1.3 to correct the problem with the column oven not turning off when going to standby mode.
- **Do not install the Agilent Bug Fix service packs on top of this service pack. This service pack already includes all the fixes from the Agilent Bug Fix service packs.**

New capillary LC pump (G1376A) Method Editor parameters added by v1.0 of the service pack:

- Capillary Pump Mode – Specifies if the pump should operate in micro or normal mode.
- Primary Flow Rate – Specifies the primary flow rate in micro mode
- Flow Sensor Calibration Table Index – Specifies the calibration table

New autosampler Method Editor parameters added by v1.0 of the service pack:

- Temperature Enable – Used to enable/disable temperature control by an attached G1330A temperature control module. This is only enabled when the G1330A is attached.
- Temperature Setpoint – Allows setting of the G1330A temperature in degrees Centigrade. This is only enabled when the G1330A is attached.
- Wash Enable – Used to enable/disable the needle wash. This replaces the Analyst 1.1 usage of the Wash Vial Number field to enable/disable the wash (i.e., Wash Vial Number of 0 was used to indicate no wash).
- Wash Location (G1367A/G1377A only) – Used to specify where to wash the needle, either a wash vial or the flush port.
- Wash Time (G1367A/G1377A only) – Used to specify how long to wash the needle in the flush port.
- Wash Cycles (G1367A/G1377A only) – Used to specify how many times (i.e., how many "dips") to wash the needle in a wash vial.

New autosampler Method Editor parameters added by v1.1 of the service pack:

- The Sample Speed parameter has been split into "Draw Speed" and "Eject Speed" to allow better control of the injection parameters. The Draw Speed is the speed at which the autosampler draws the sample into the needle. The Eject Speed is the speed at which the autosampler ejects the sample from the needle.
- Wait Time After Draw (G1367A/G1377A well plate only) - Specifies the equilibration time in seconds. This time is applied in the following two areas in the autosampler inject sequence: 1) At the beginning before drawing the sample to allow the pressure in the loop capillary to equilibrate to prevent droplets from forming on the needle when it moves out of the seat, and 2) After drawing the sample to allow the pressure inside capped vials to equilibrate.

The service pack requires ***Analyst***™ Software Version 1.1 to be present on the computer first. Please make sure that you install the ***Analyst***™ Software Version 1.1 first before running the service pack. The service pack requires 3 MB of disk space to install.

Known Problems and Limitations

Please report any problems, limitations and feature requests via the website at:

http://www.appliedbiosystems.com/

or via e-mail at:

support@sciex.com

Known problems and limitations with this service pack:

- Methods created with the upgraded version of Analyst will not be readable by other versions of Analyst without this upgrade.
- Hardware Profile files created with upgraded version of Analyst will not be readable by other versions of Analyst without this upgrade.
- For the G1367A/G1377A well plate autosamplers, the 2 Well Plate tray cannot support washing from a well in a plate. All washes must be done from either the flush port or the 10 x 2 ml vials on the side of the tray. Similarly, the 10 x 2 ml trays cannot be used for samples but must only be used to hold wash solutions.
- Plate names in the G1367A must be of the following: *96Agilent*, *96CappedAgilent*, *96DeepAgilent*, and *384Agilent*. These names should already be defined in the autosampler when it comes from the factory. At this point in time, the upgrade cannot support user defined plates and trays.
- Plate names in the G1377A must be of the following: *96Agilent*, *96CappedAgilent*, *96DeepAgilent*, *96DeepAgilent31mm*, and *384Agilent*. These names should already be defined in the autosampler when it comes from the factory. At this point in time, the upgrade cannot support user defined plates and trays.
- The G1367A/G1377A well plate autosamplers waits a few minutes on startup before allowing the arm to move to complete the initialization sequence. This is to allow any flammable fumes that may be present in the autosampler to be drawn out by the unit's exhaust fan. You will not be able to run any samples through the autosampler successfully before the wait time is up and the autosampler has completed its initialization sequence. Please be patient.
- Online help is not available in Analyst for the devices added in this upgrade.
- Shortcut keys in the Method Editor for the 1100 Autosampler are not functional for this release
- Flow Sensor Calibration Table Index is difficult to use as the index number is not apparent when trying to identify the built in tables in the pump. This will be changed to display the names of the table.

Installation Instructions

Before installing the service pack, it is important to note that you must have administrator privileges for the computer you wish to install on. Contact your IT group if you are unsure what access rights you have.

The installation of the service pack is accomplished through the Agilent Upgrade Installer. This program automatically places the required files in required folders. The upgrade cannot be uninstalled separately. It can only be uninstalled by uninstalling the ***Analyst***™ Software.

Step 1. Obtain the Agilent Upgrade service pack.
The Agilent Upgrade service pack can be obtained from the Applied Biosystems website at: http://www.appliedbiosystems.com/

Step 2. Log on to the local system with administrator privileges.
You must have administrator privileges on your local workstation in order to perform the installation.

Step 2. Installing the Agilent Upgrade service pack.
Run the Agilent Upgrade installer, AgilentUpgrade.exe to install all the files needed. If you are prompted to overwrite the autosampler database, click "Ok" to do so.