

MPX™ Software Driver

For Routine High Throughput LC/MS/MS
Version 1.1

Release Notes

Known Issues and Limitations

Experiments should contain only one period

When the MPX Software Driver saves a method, it adjusts the duration of the MS method to match the acquisition window specified, but only if the experiment contains a single period.

Column temperature ignored

When you start an acquisition run using the MPX™-2 System with a Shimadzu LC configuration, the system injects immediately, regardless of the column temperature. When this occurs, a warning appears, advising that the oven has not yet reached the required temperature. To avoid this, equilibrate the system before starting acquisition to allow the column oven to reach the appropriate temperature.

Acquisition batch is aborted when vials are missing for multiple consecutive samples scheduled on different streams

Recovery from a missing vial error on the MPX™-2 System with a Shimadzu LC configuration may take a long time. Therefore, if vials are missing for multiple consecutive samples scheduled on different streams, this results in a perceived full system failure, which will cause the acquisition batch to abort.

Decreased throughput when using acquisition methods with different ion source temperature settings

The mass spectrometer equilibration time cannot be predicted when the ion source temperature needs to be adjusted. Therefore, the MPX™-2 System cannot reach its optimal throughput when acquisition batches contain adjacent samples that use acquisition methods with different ion source temperature settings. A warning message appears when such a condition is detected.

The MPX™-2 System does not support flow injection analysis (FIA)

The MPX-2 System uses a loading pump to load a sample onto a column before acquisition begins. In FIA, where no column is present, acquisition does not begin early enough to detect the injected sample. The system is intended for routine high throughput analysis of established methods. For method optimization, you can run a single stream directly from the Analyst® software.

The Analyst® software may report that a method cannot be retrieved from the MPX™ Software Driver

In the Analyst software, when a method is saved, a message appears while the LC method is being retrieved from the MPX Software Driver. This message disappears after the method is retrieved. The Analyst software may report that it could not retrieve the method; however, the saved method will correctly contain both the MS and the LC methods.

When working with the Cliquid® software, the *Inject Sample on Stream Number* file information may be incorrect

After acquiring samples through the Cliquid® software, the *Inject Sample on Stream Number* file information for samples injected from either stream is recorded as the stream number of the method used to build the MPX test in Cliquid. That is, if a stream 2 method is used to build the test, all the samples will be recorded with an *Inject Sample on Stream Number* value of 2, regardless of the actual stream used. The stream number is correctly recorded under “Current Stream” in the file information.

Methods created with an incompatible hardware profile may become corrupt

When a method is opened, the MPX Software Driver only validates the method to verify that it was created with a hardware profile containing the necessary mass spectrometer. Additional devices contained in the method are not validated against the hardware profile. Users can open, modify, and save invalid methods using the software, potentially corrupting these methods and preventing their use in other programs. Take care to open only those methods created specifically for use with the MPX Software Driver.

How to Get Help

- For procedures and troubleshooting information, in the MPX Software Driver, click **How Do I?**
 - For support, contact AB SCIEX:
Email: support@absciex.com
Web: www.absciex.com
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