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Sciex MPX2

As powerful as LC/MS/MS is, many labs want greater sample throughput and faster turn around times. The AB SCIEX MPX –2 System increases throughput up to 2X by multiplexing two HPLC systems into a single mass spectrometer. With on-line sample preparation you can boost laboratory efficiency even further.

- Double sample throughput from a single LC/MS/MS.
- Fully audited and traceable within the AB SCIEX regulated feature framework.
- Maximize uptime with real-time system monitoring.
- Increase sample capacity for extended—and unattended—operation.
- Three different modes of operation: easy to set up and operate.

Monitor in real time for maximum uptime

Check system performance at a glance. A dynamic status screen displays individual pressure traces, column temperature and color-coded fault alerts for each HPLC stream. The screen also shows you which stream is flowing into the mass spectrometer and which stream is being diverted to waste. To maximize system up time, you can use fault recovery settings to automatically shut down the system when over pressure, or you can divert samples to another stream to maintain performance.

Run up to 2,300 samples unattended

For extended operation, you can increase the sample capacity of the MPX™-2 System by configuring it with either the Shimadzu autosampler, which can hold up to twenty-four 96-well plates (with optional Rack Changer) or the CTC PAL autosampler.

Three modes of operation

There are three different ways to run samples on the MPX™-2 System:

1. Stagger injections from each of two HPLC systems running the same method
2. Stagger injections from two HPLC systems running two different methods
3. Run two sequential sample batches from two HPLC systems.

Dual-stream multiplexing

The MPX™-2 System is a dual-stream multiplexing solution for use with Analyst® and/or Cliquid® Software. It provides a single point of control to

multiple HPLC systems configured for on-line sample preparation and/or concurrent LC/MS/MS analysis.

Choose the configuration that works for you

Use the MPX™-2 System with either the standard pressure Shimadzu UFLC or with high pressure UFLC XR pumps and 2 Shimadzu or a CTC HTS autosampler(s)

Get up to 2X more throughput

The ability to stagger chromatographic runs within custom, predefined acquisition windows allows you to use the dead time before and after peak detection for analyzing the next sample. So your lab can deliver results at up to twice the speed, with half the turnaround time per sample batch: do in an overnight run what used to be done in an entire day.

Tools for added productivity

In addition to increasing sample throughput, the MPX™-2 System offers time-saving features that increase productivity even further. These include:

- Automated on-line sample preparation
- Audit trail and traceability software
- Real-time system monitoring
- Increased sample capacity

Add even more efficiency with on-line sample prep

The MPX™-2 System can increase your sample throughput by up to 2X. You can increase efficiency even more by automating sample preparation within each HPLC stream as well as reducing the need for manual intervention and the potential for human error.

Enhance audit trail and traceability

The MPX™-2 System offers a single software solution to meet your compliance needs. The system takes advantage of the 21 CFR Part 11 functionality of Analyst® Software to provide audit trail and traceability, both of which are vital in regulated environments



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