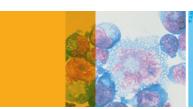
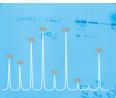


The New Cliquid® MPX™-2 High Throughput System





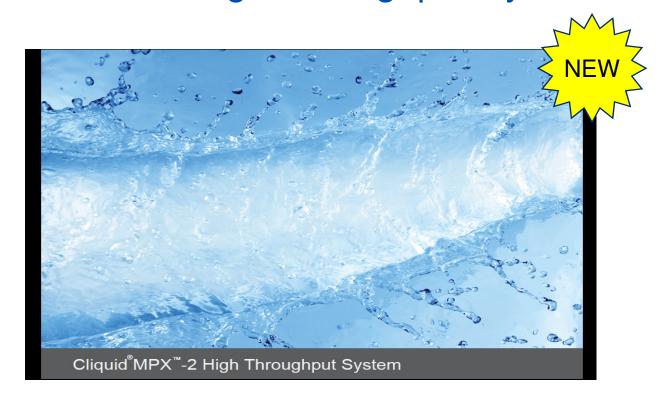






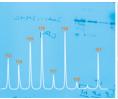


Cliquid® MPX™-2 High Throughput System



Multiplexing of two HPLCs into a single Mass Spectrometer





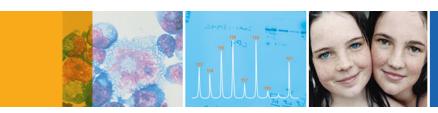




Based Upon Customer Input

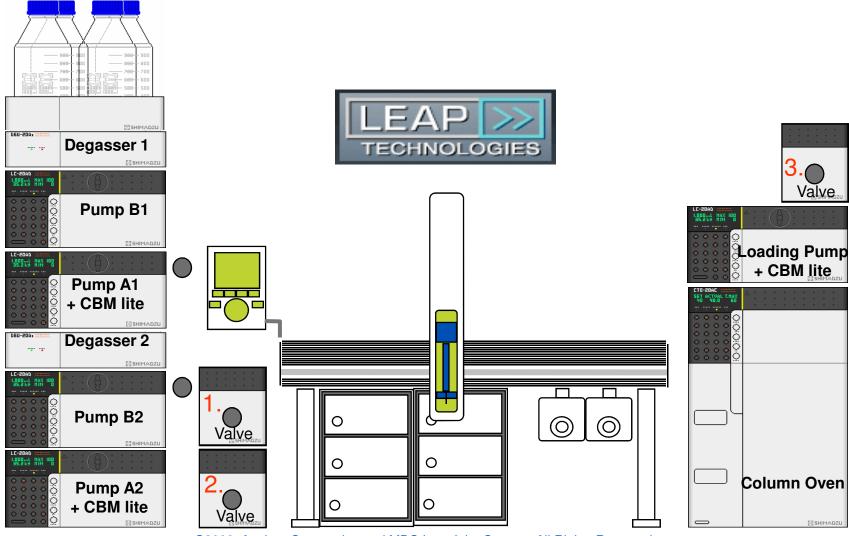


A new way to increase instrument utilization

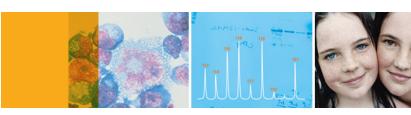




Cliquid® MPX™-2 High Throughput System Configuration



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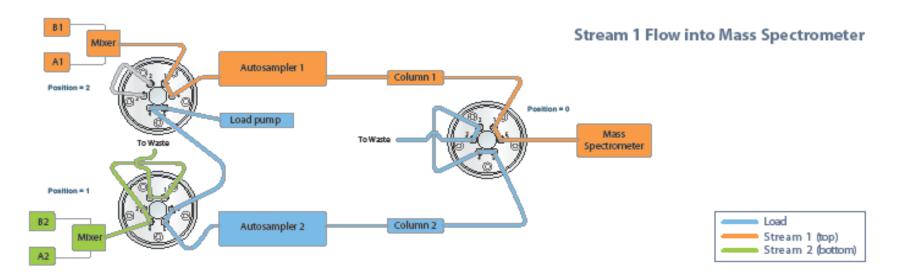


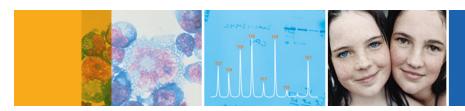


Modes of Operation

Three modes of operation with two HPLC Systems:

- Staggered injections running the same method
- Staggered injections running two different methods
- Two sequential sample batches run one after the other

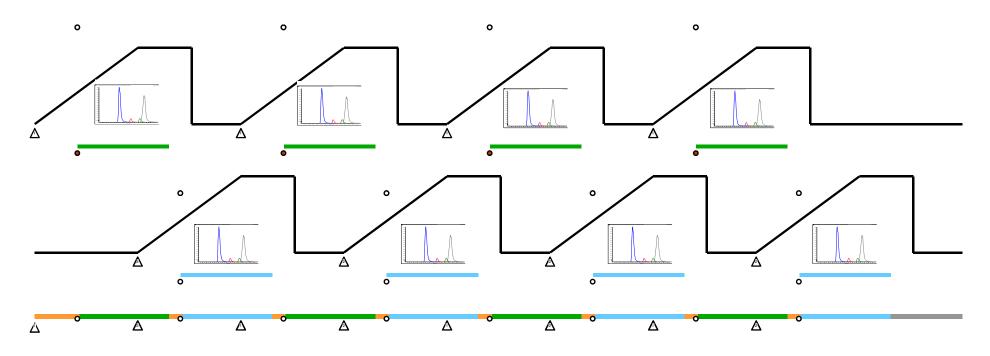






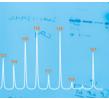
How Multiplex LC Works

Designed to Support Two Parallel LC Streams into a Single MS



Example of staggered injections from two HPLC systems running the same method

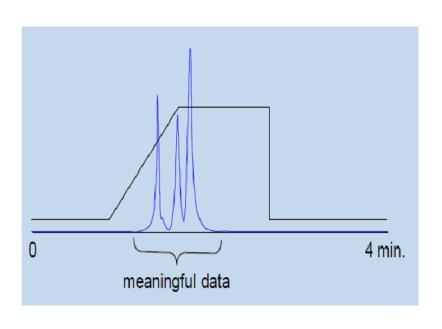


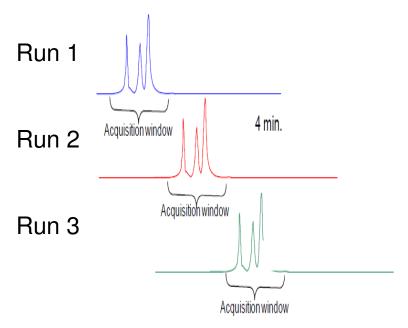






Target Applications for Multiplexing Staggered Injections





LC/MS/MS methods that have a narrow elution window and long HPLC column equilibration times









Cliquid® MPX™-2 High Throughput System

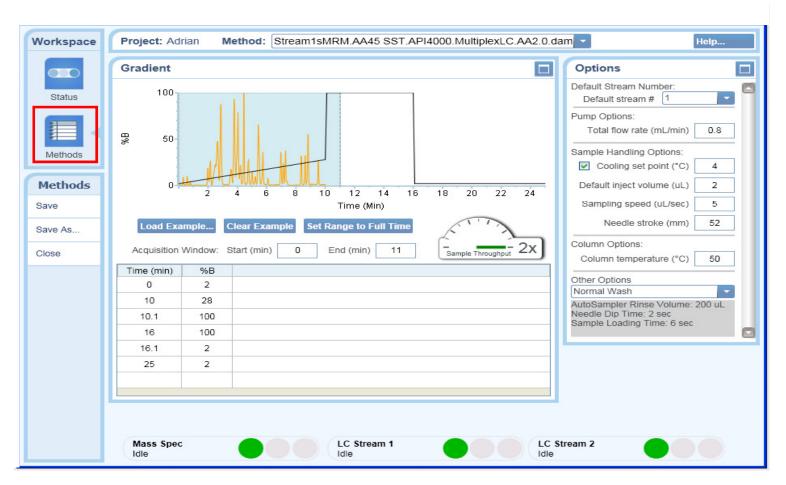
Key Features:

- Single point of control software
- Audit trail / traceability for compliance
- Intuitive, simple to use method editor
- Flexible reporting options.
- Real-time instrument status
- High Pressure HPLC Compatible
- Single vendor solution
- Simple Cliquid[®] Software workflow
- Supported for use in either Analyst® or Cliquid ® Software

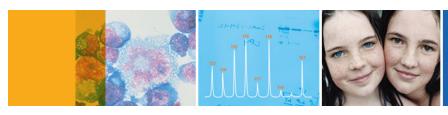




Method Editor View

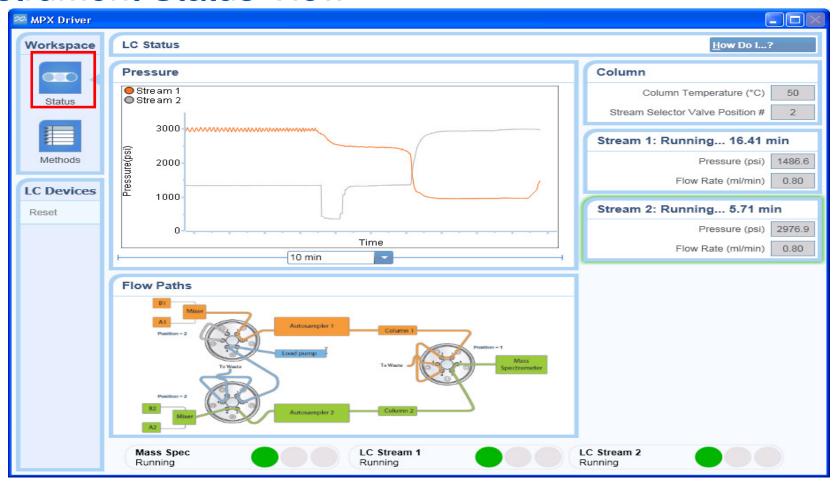


A single screen within Analyst Software to input all HPLC parameters



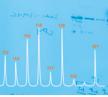


Instrument Status View



A second screen to monitor the real time instrument status

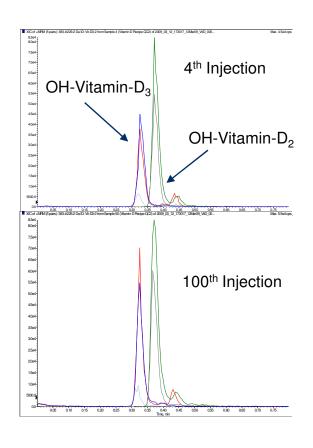


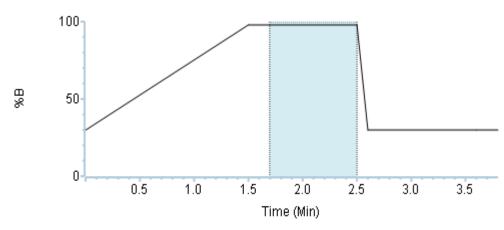






Example: Vitamin D Analysis

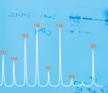




Two fold increase in throughput:

- •100 injections, Singleplex Run Time:>6 hr 30 min
- •100 injections, Multiplex Run Time: 3 hr 30 min
- Time saved: 3 hr

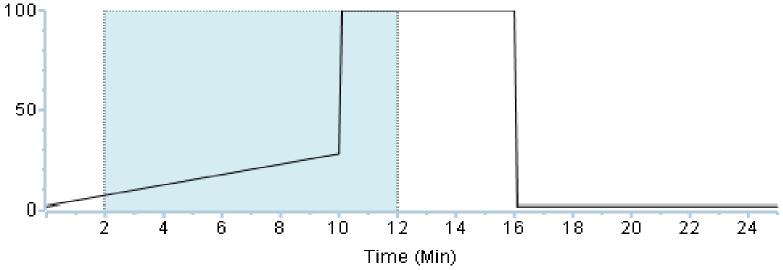


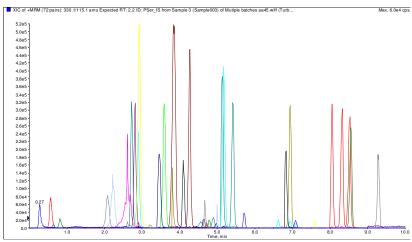






Example: Amino Acid Analysis





Two fold increase in throughput:

- 100 AA45 sample injections
- •Singleplex Run Time: >200 min
- Multiplex Run Time: 89 min
- Time saved: 111 min







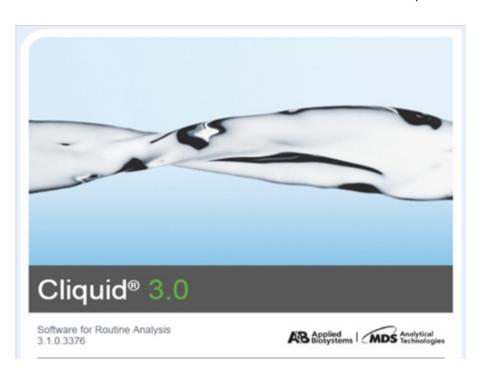


New Cliquid® 3.0 Software

NEW

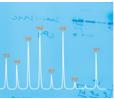
New Features:

- Common Platform for all Versions
- Customizable Workflow
- General Unknown Screening
- Open Access
- Use Updated Peak Integrations
- Project Based Archiving
- Auto Lock
- Reset Analyst Service
- Export Job List to Excel
- Multiplexing



The Latest Revision for Routine Screening and Quantification

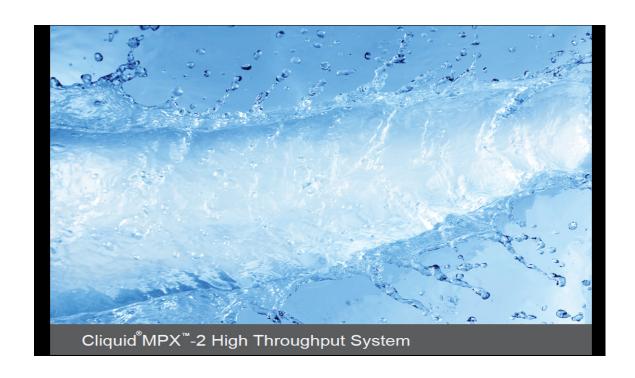








Want to Learn More.....



Ask your LEAP Technologies sales rep or call 1.800.229.8814