



The Fastest High Capacity Fraction Collector

Innovative Technologies
www.AIMResearchCompany.com





Fast and Accurate Jet Technology

Collect Fractions Efficiently (down to ~0.2 sec per fraction!)

We use high precision motors that allow our system to move between wells and plates with high speed. Jet Technology expels remaining liquid from the needle before movement instead of traditional gravity fed flow, allowing for low fraction sizes per well.

No Spilling or Carryover For Accurate Results

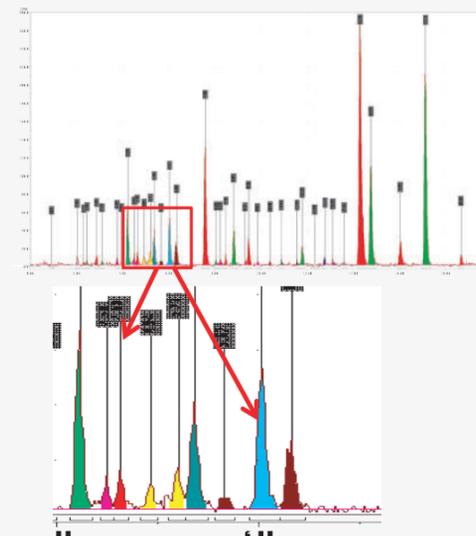
Jet technology ensures that no liquid sample is lost as the needle moves from well to well. Because liquid is ejected from the needle, no sample is carried over unexpectedly to the next well.

LCJet Jet Technology Offers High Resolution Radiochromatogram in Drug Metabolism

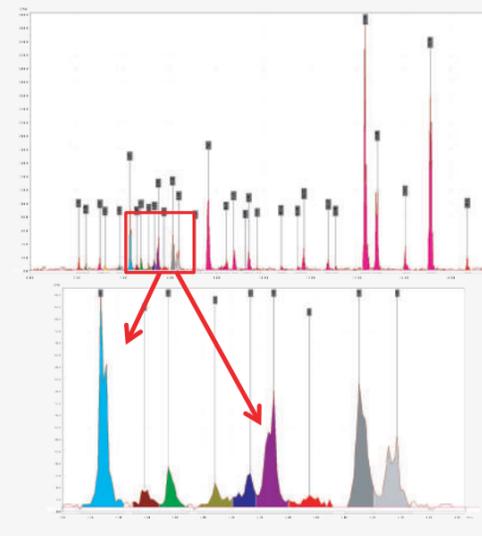
LCJet performs in low intensity with good area ratio, close peak quantification, and well detected main peaks. This is great for low concentration samples like plasma.

Jet Technology Is Important For Maintaining Consistency For Short Fraction Sizes (1 Second or Less)

UPLC 1.25 seconds/well, using Jet technology



UPLC 1.25 seconds/well, without using Jet technology



You can see that using Jet technology reduces carryover, resulting in better and higher resolution peaks.

UHPLC data from



High Capacity

Holds Up to 48 Plates

The LCJet can house up to 8 removable trays, each can hold up to 6 standard plates. These trays also support custom plate configurations (20mL vials and test tubes).

Accommodates All Standard and Custom Plates

Can fit 96 and 384 well plates, 20mL vials, and test tubes. Supports standard and custom plates for any application need.



LCJet also comes in a smaller form factor, LCJet Mini. The Mini holds up to 4 trays.

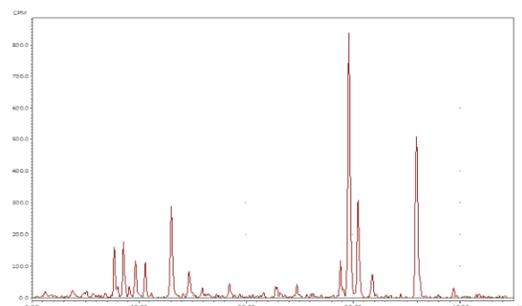
Other Specifications

Voltage/frequency: 110 and 220 AC

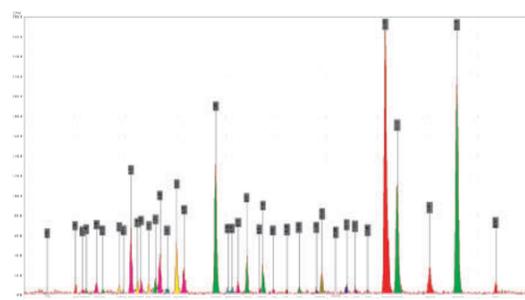
Time-saving Integrated Drying

LCJet Pro and Mini both offer optional integrated heating units for drying samples after or during collection. This heating module with heated plates saves the user time after finishing long runs or runs overnight. It can heat plates up to 50 degrees Celsius.

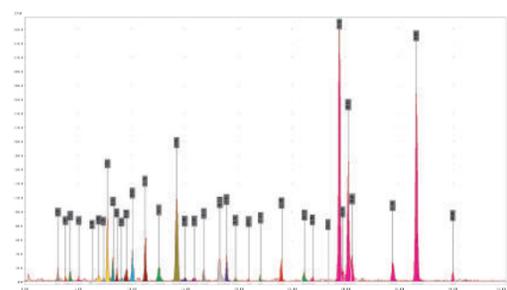
UHPLC 32000 dpm, 45min online detection



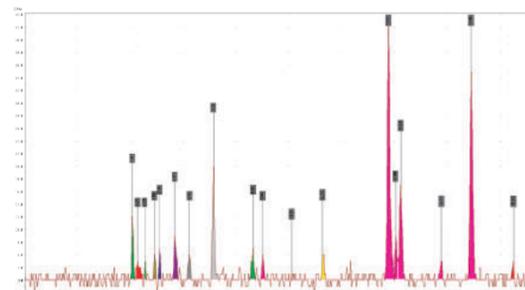
UPLC 3500 dpm 20min collection, 1.25 seconds/well



UPLC 3500 dpm 45min collection, 3 seconds/well

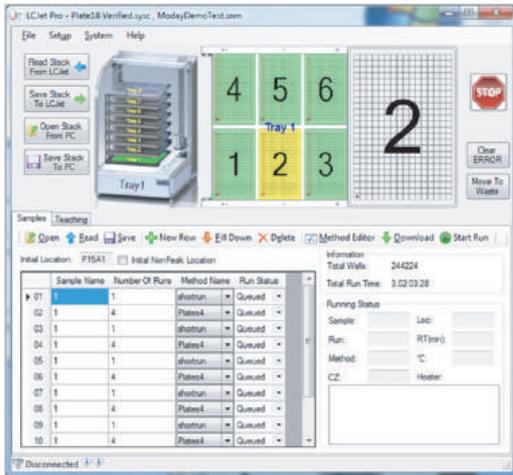


UPLC 350 dpm 20min collection, 2 seconds/well



Seamless Software

We use proprietary LCJet Pro software for system configurations and running samples. Our software allows users to set up in-depth methods and run configurations.



Custom configurations

The program allows users to design their own custom configurations of methods and plate configurations, and includes powerful teaching tools for custom configurations. Configurations can be saved and loaded when needed.

Dedicated to Improving Your Research

Get a Quote and Demonstration

Interested in v.ARC? Go to our website (see below) to request a quote. Contact us to schedule a demo of our instrument in your lab environment by one of our knowledgeable service engineers.

Extensive Customer Support

We are highly dedicated to our users with quick response times and communication. We support our customers in any setup and application they have.

Options to Fit Your Needs

With various customizable options, there is a setup that will meet your research and budget needs. Contact us to learn more.

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