



Trusted Results. New Possibilities.

Wherever you work, however you work,
*do it with **Focus**.*



HPLC Anywhere[®]

Real-Time Results. Anytime. Anywhere.

Meet the Focus line of capillary HPLC technology, designed to be your trusted source of reliable results wherever and however you work. Our capillary-based liquid chromatography technology provides:

- High Sensitivity & Precision
- Compact, Versatile Footprint
- Reliable, Repeatable Results
- Minimal Solvent Consumption

Axcend Focus LC[®] *Reliable Results Within Reach*

Touting the smallest footprint in HPLC technology, the Axcend Focus LC is a **fully functional capillary liquid chromatography system in a single, integrated box**. Whether you need to bring the lab to the sample or perform LC analysis in your laboratory, the Focus LC will deliver results you can count on.



- **Uncompromising Performance** – Delivers precise, repeatable results with robust analytical capabilities to ensure reliable data, every time.
- **Power Meets Precision** – Operates up to 10,000 psi for enhanced sensitivity and minimized on-column sample dilution.
- **Small and Mighty** – A compact, space-saving footprint that can be used where traditional HPLCs can't, from the hood on the production line to the field for remote sampling.
- **Analytical Flexibility** – Easily replaceable cartridges provide the flexibility to match the wavelength and column to the specific needs of each analysis.
- **Effortless Integration** – Fully compatible with Waters Empower, Agilent OpenLab, and DataApex Clarity for a frictionless workflow.*
- **Sustainable Savings** – Reduces solvent and waste costs to roughly 1/1000th of traditional systems, making it a smart long-term investment.

*Empower, OpenLab, and Clarity are trademarks of Waters Corporation, Agilent Technologies, Inc., and DataApex respectively.



Expand Your Focus | BUILD THE SYSTEM THAT WORKS FOR YOU



AutoFocus™ *Automate Your Workflow*

For labs looking to boost productivity, AutoFocus streamlines sample injection, allowing continuous analysis while freeing up time to focus on other critical tasks.

- **Increased Throughput & Reproducibility** – Delivers consistent, repeatable results with minimal manual intervention
- **Low Carry-Over** – Reduces cross-contamination with efficient needle washing
- **Flexible Formats** – Supports 40 2mL vials or standard 96-well plates



InFocus™ *Real-Time Reaction Monitoring*

Designed for in-line process analytical technology (PAT), InFocus delivers real-time LC data directly from production environments, maximizing production output with minimal waste while ensuring process integrity.

- **Compact Design** – Fits in lab hoods or next to reaction vessels for seamless PAT integration
- **Automated Workflow** – Unattended sampling and analysis reduce manual effort
- **Versatile Reaction Monitoring** – Tracks batch or continuous processes, even with limited sample availability



FocusArray™ *Expand Analytical Capabilities*

The FocusArray multi-spectrum detector enables broad-spectrum analysis, providing comprehensive visibility across a wide wavelength range and delivering detailed spectral information for advanced analytical workflows.

- **Comprehensive UV Spectrum** – Full absorption spectrum to identify maximum absorbance points
- **Exceptional Linearity** – Delivers three orders of magnitude linearity, a breakthrough for capillary HPLC
- **Improved Peak Resolution** – Reduced baseline drift enhances reliability and robustness



Shift Your Focus

Beyond the Limitations of Traditional HPLC

Legacy HPLC systems are bulky, inefficient, and costly to operate. Axcend's capillary-based platform delivers the same trusted results in a smaller, safer, and more sustainable footprint—minimizing solvent use, reducing energy demands, and lowering hazardous waste. The result? Greater flexibility, improved safety, and a dramatic reduction in operating costs.

How Much Could You Save?

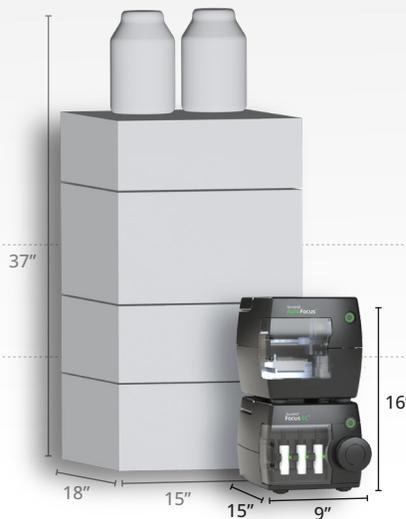
When operated on a standard lab schedule—8 hours a day, 5 days a week, 52 weeks a year—the cost difference between a traditional HPLC and the Focus LC adds up fast. In fact, the Axcend Focus LC reduces operational costs so significantly it typically **pays for itself in about two years.**

AVERAGE LEGACY SYSTEM

Flow Rate
0.8 mL/min

Waste
100 L/yr

Solvent & Waste Disposal Costs
\$28,650/yr



FOCUS LC SYSTEM

Flow Rate
0.002 mL/min

Waste
0.2 L/yr

Solvent & Waste Disposal Costs
\$27/yr

WHY DO **THIS**

WHEN YOU CAN DO **THIS?**



LARGE ORG CASE STUDY

For organizations running 100 HPLC systems, switching to the Focus LC can save over **\$20 million over a 7-year lifecycle**—more than **\$2.8 million annually** in solvent, disposal, and energy costs.

Example using the Axcend Focus LC (labeled as "Compact LC"), conducted by Merck scientists and published in the Journal of Separation Science:

Criteria	HPLC	UHPLC	Compact LC
AMGS	1682	754	80
Instrument Energy Score	850 (50%)	334 (40%)	3 (4%)
Flow Rate (mL/min)	1.5	0.4	0.002
Run Time (min)	45	30	30
Total (mL), 13 Runs	878	156	0.8

Reference: Hicks MB, et al. *J Sep Sci.* 2023; **46**:2300300

