

## FOR IMMEDIATE RELEASE

### **New Startup Axcend Announces the Axcend Focus LC — A Small, Lightweight, Mobile Gradient Liquid Chromatograph Designed to Transform Chemical Analysis**

*Designed from the ground up as a nano-flow liquid chromatograph, the **Axcend Focus LC** measures ~30x20x20cm, weighs ~5.4kg (12 lbs.), operates on battery or electrical outlet power, and delivers visual/statistical output to any Web-connected smartphone, tablet or personal computer with 100X greater sensitivity and as little as 1/500<sup>th</sup> the volumes of solvents and waste*

**SALT LAKE CITY and ORLANDO, Fla.** — February 26, 2018 — What's roughly the size of a toaster, yet likely to end up in the hands of chemists, scientists and laboratory researchers around the globe? The new **Axcend Focus LC**<sup>™</sup> from [Axcend](#)<sup>™</sup>.

The **Axcend Focus LC** is a gradient liquid chromatograph designed specifically for *mobile* and *on-the-go use*, but powerful enough to be used in any *state-of-the-art laboratory*. The **Axcend Focus LC** will be unveiled February 27—March 1, 2018 in Booth #1802 at the Pittcon 2018 conference and exposition in Orlando, Florida.

Developed in the Brigham Young University laboratories of Professor Milton Lee, Ph.D., the **Axcend Focus LC** is a nano-flow liquid chromatograph that measures ~30x20x20cm, weighs ~5.4kg (12 lbs.) and operates on battery or electrical outlet power. Visual/statistical output from the **Axcend Focus LC** is delivered securely and wirelessly to any Web-connected smartphone, tablet or personal computer capable of HTML5 display, with the additional ability to connect via a USB cable to any PC.

According to Dr. Lee, the **Axcend Focus LC** delivers 100 times (100X) greater sensitivity than traditional LC systems, while also dramatically reducing volume sizes.

“Designing a powerful yet truly portable LC from the ground-up required an entirely new mindset development-wise,” said Dr. Lee, Axcend Co-Founder and Chief Science Officer. “Among other things, that meant moving to 150µm (micrometer) nano-flow internal diameter capillary columns filled with 1.7µm—3.0µm fused silica particles. We also needed very small pumps and miniaturized LED UV-absorption detectors. However, what we discovered by taking this path was that not only is the **Axcend Focus LC** incredibly small, it also ended up being 100 times more sensitive than traditional liquid chromatographs because of the unique design.”

In addition to its greater sensitivity, the **Axcend Focus LC** requires as little as 1/500<sup>th</sup> the volumes of samples and solvents. And if run continuously for one week, the **Axcend Focus LC** only produces one teaspoon (1tsp) of waste. The **Axcend Focus LC** is also designed to be extremely easy to use, so much so that it can be operated by individuals with little training or experience in LC.

“Our key message is that the **Axcend Focus LC** is designed for use by professionals *everywhere and in any setting*,” said Glen Mella, Axcend Co-Founder and CEO. “But we also believe its mobility, wireless connectivity and *ease-of-use* open up new LC applications never before

possible. Operators will be able to transport our device right to the point of sampling, quickly insert the column cartridge into the **Axcend Focus LC**, start the chemical analysis, and receive the LC data in an average of 10—15 minutes. And yes, it really is that simple.”

Commercial availability and pricing of the **Axcend Focus LC** is slated for the second quarter of 2018.

Individuals interested in learning more about the **Axcend Focus LC** and how it can benefit their organizations are invited to visit Axcend in Booth #1802 at Pittcon 2018. Or they can contact the company by calling 801-376-9088 or via email at [info@axcendcorp.com](mailto:info@axcendcorp.com).

### **About Axcend**

Axcend is a provider of innovative, compact nanoflow liquid chromatography (LC) systems that deliver dramatic improvements in portability, ease of operation, rapid and convenient deployment, and coupling to other analytical systems (such as mass spectrometers). For more information, visit [www.AxcendCorp.com](http://www.AxcendCorp.com) or call 801-376-9088.

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