

## How can Cogent TYPE-C HPLC columns offer faster results compared to other type of silica based columns – FAQ

**It has been well documented in the literature over the years that using Cogent TYPE-C™ HPLC columns offers chromatographers fast results during method development and even with routine use. How?**

- 1. Faster Equilibration.** Due to the unique nature of the column surface, these columns will fully equilibrate, after gradient runs with only 3-5 columns compared to market leading columns which requires 25-40 columns volumes to achieve **precision**.
- 2. Run with much faster flow rates.** **Aqueous Normal Phase ANP** methods for polar compound analysis uses a very high concentration of Acetonitrile and therefore lowers the viscosity of the mobile phase by 50-60% over pure water. With this you can increase your flow rate by 2-3 times without suffering **band** broadening or high back pressure.
- 3. Smaller Particle sizes.** Cogent TYPE-C™ HPLC columns are offered in 4um or 2.2um allowing for “near UHPLC efficiency” without the sever back pressure which is typical.

*Faster means more runs and more data.*

