

## Can I expect a more predictable retention time with Silica-C columns than with ordinary silica - FAQ

Yes, if you develop a method that is optimized with the Cogent Silica-C™ columns compared with an ordinary silica column, the retention times are generally much more reproducible.

The reason for better precision or reproducibility is most likely that when using ordinary silica columns the uptake of water on the stationary phase changes from run to run and the retention often changes. Since the Silica-C™ column does not take up water, this issue does not take place.



Printed from the Chrom Resource Center

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 07-22-2024