

Eliminate high background noise using a new Cogent HPLC column – Tips & Suggestions

If you are seeing significant background noise on your detector using a new Cogent HPLC column, it may simply need an initial conditioning to remove any trace residual packing solvents. Flushing the column at a low flow rate overnight with isopropanol, 50/50 isopropanol/DI water, or 50/50 methanol/DI water may be effective.

Another strategy you can try is to run a series of blanks with a gradient method that goes from weakly-eluting conditions to strong conditions. In reversed phase, you might go from 90% aqueous/ 10% organic to 10% aqueous/ 90% organic over 10 min or so.

Evaluate the chromatograms you get from the blanks and see if the UV slope gets flatter with each injection. This may be a good indication that the gradient washings are working.



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

Website: www.mtc-usa.com

Date: 05-08-2024