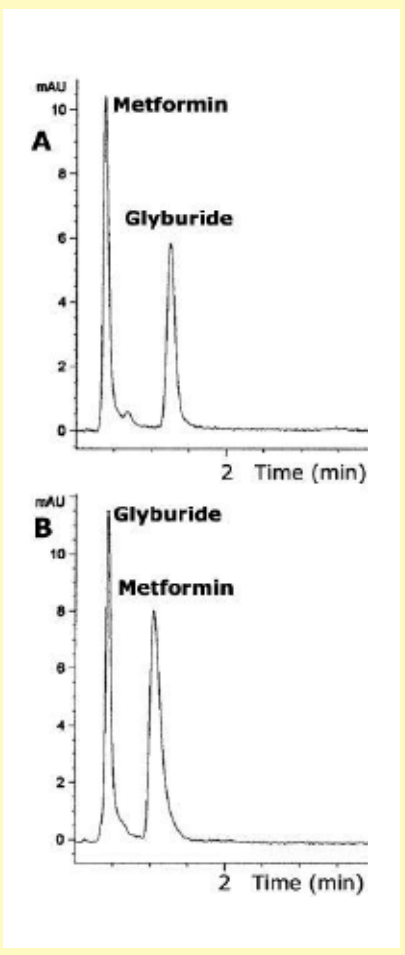


Glyburide and Metformin: 2 minutes



Separation of “Highly Polar” and “Non-Polar” Compounds in one isocratic run using Reverse Phase Solvents.

Method Conditions

Column: Cogent Qx2™ Column for LC-MS
 Bidentate C18, 4µm, 100Å
Catalog No. 40018-Q20
Dimensions: 2.1 x 20 mm
Mobile phase: A: 50:50 acetonitrile, DI water + 0.5% formic acid
 B: 85:15 acetonitrile, DI water + 0.5% formic acid
Flow rate: 0.3 mL/minute
Injection Volume: 1 µL
Sample: 100 µg/mL
Detection: UV 254 nm

Discussion

The polar compound, Metformin, and the non-polar compound, Glyburide, are retained on narrow bore LC-MS column. Mobile phase is optimized for LC-MS analysis. Depending on the composition of the Mobile Phase either Metformin or Glyburide can be retained longer. NO ION-PAIR HPLC METHOD IS NEEDED TO ANALYZE METFORMIN
 Note: elution order was confirmed by LC-MS, APCI+, with single ion monitoring Metformin (m/z 130) and Glyburide (m/z 369).

For more information visit www.MTC-USA.com

Cat. No.	Description
40018-Q20	Cogent Qx2™ Column for LCMS. 20mm x 2.1mm ID, PEEK & Titanium Housing, Bidentate C18, 4µm, 100Å

