# MICROS

## Glyburide and Metformin Analyzed with HPLC – $\ensuremath{\mathsf{AppNote}}$

### Separation of "Highly Polar" and "Non-Polar" Compounds in one Isocratic run

In this Method, the polar compound, Metformin, and the nonpolar compound Glyburide, can be retained on the same Stationary Phase (see A & B). Depending on the Mobile Phase composition either Metformin or Glyburide can be retained longer.



#### **Method Conditions**

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Column: Cogent Bidentate C18<sup>™</sup>, 4µm, 100Å
Catalog No.: 40018-75P
Dimensions: 4.6 x 75mm
Mobile Phase:

A: 15% DI Water / 85% Acetonitrile / 0.5% Formic Acid
B: 50% DI Water / 50% Acetonitrile / 0.5% Formic Acid

Injection vol.: 1µL
Flow rate: 0.5mL / minute
Detection: UV @ 254nm
Sample Preparation: Stock Solution: 100µg / µL Glyburide and Metformin

**Notes:** Elution order was confirmed by LCMS, APCI+, with single ion monitoring Metformin (m/z 130) and Glyburide (m/z 369).



Attachment

No 08 Glyburide and Metformin Analyzed with HPLC pdf 0.2 Mb Download File

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