

## What are some notable examples of journal articles that feature Aqueous Normal Phase ANP methods in metabolomics studies – FAQ

There are many examples of the Cogent™ HPLC columns used with Aqueous Normal Phase ANP methods in metabolomics research, which have been published by third-party researchers in peer-reviewed scientific journals. Two notable works are described here.

The first one, performed by Dr. Kyu Rhee and co-workers of Weill Cornell Medical College, uses the Diamond Hydride™ column to understand the pathogenic mechanism of **activity** of *Mycobacterium tuberculosis* through metabolomics profiling:

The next example, by Dr. Steven Gross and co-workers, uses untargeted metabolomics and the Cogent Diamond Hydride™ HPLC column in studying xanthine oxidoreductase inactivation in mice:

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0037149>

Both studies were able to detect and discover polar compounds that were only retained in the ANP mode (*with the Diamond Hydride™ column*). When combined with a column suitable for reversed phase analyses such as the Cogent Bidentate C18™, the TYPE-C Silica™ columns can encompass the full polarity range of compounds studied in metabolomics applications. *For this reason, we offer a convenient Metabolomics Kit which includes both the Diamond Hydride™ and the Bidentate C18™ columns together.*

[Cogent Metabolomic Kits Ordering Information](#)



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: 05-05-2024