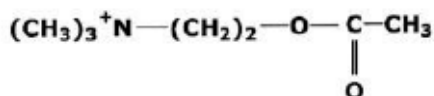


# Cogent™ Qx2

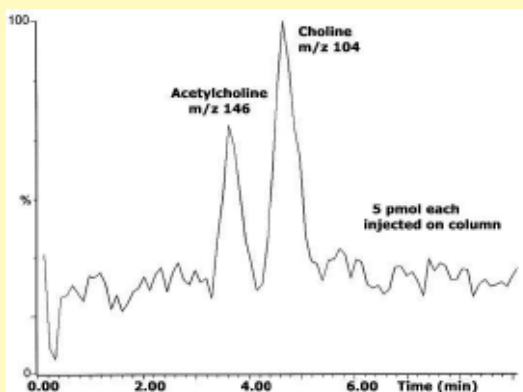
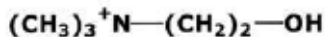
## Quick Connect HPLC Columns

### Biological Fluids: Choline & Acetylcholine

#### Acetylcholine



#### Choline



#### Method Conditions

<b>Column:</b>	Cogent Qx2™ Column for LC-MS UDC-Cholesterol, 4µm, 100Å.
<b>Catalog No.:</b>	69069-Q20
<b>Dimensions:</b>	2.1 x 20 mm
<b>Mobile phase:</b>	91: 9 acetonitrile/DI water + 0.5% formic acid
<b>Flow rate:</b>	0.3 mL/minute
<b>Injection Volume:</b>	1 µL (internal loop)
<b>Samples:</b>	Acetylcholine (m/z 146) Choline (m/z 104) (5 pmol of each injected on column)
<b>Detection:</b>	Mass Spec: Atmospheric Pressure Chemical Ionization in positive mode:APCI+ Single Ion Monitoring

#### Discussion

The "Aqueous Normal Phase" experimental conditions shown above allow for effective separation of small polar compounds on a moderately hydrophobic stationary phase. The short and fast Qx2 format of these columns adds advantages of significantly reduced analysis time when compared with a standard column (see MicroSolv Application Note B05-1 or visit [www.MTC-USA.com](http://www.MTC-USA.com)). Mass detection provides for analysis at biologically and environmentally relevant concentration levels. Note: The model compounds used in the study are very difficult to retain on traditional hydrophobic columns.

For more information visit [www.MTC-USA.com](http://www.MTC-USA.com)

Cat. No.	Description
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69069-Q20	Cogent Qx2™ Column for LC-MS, 2.1 ID x 20 mm, PEEK & Titanium housing, UDC Cholesterol, 100Å. 4µm
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