

Cogent HPLC Columns Manufactured by



QUALITY HPLC COLUMNS	PARTICLE SIZE	PORE SIZE	PAGE
C18 Bidentate C18™—Extremely long column life and rugged	4um	100Å	3
C8 Bidentate C8™—Extremely long column life and rugged, less hydrophobic	4um	100Å	4
CHOLESTEROL Extremely long column life and rugged, liquid crystal phase	4um	100Å	4
SILICA Silica-C™—unmodified silica hydride, excellent for normal phase	4um	100Å	5
C8 300 Bidentate C8 300™—Wide pore silica hydride for Macro Molecules	5um	300Å	5
Diamond Hydride™ Unique phase for extremely polar compounds	4um	100Å	6
Metabolomics Kit C18 & Diamond Hydride for all metabolites and other difficult compounds. Discounted from buying columns separately.	4um	100Å	7
Suite of Columns C18, C8, Cholesterol, Silica-C & Diamond Hydride as a method development kit. Discounted from buying columns separately.	4um	100Å	7
Normal Phase/Chiral Cogent EE™—retains chiral and a-chiral compounds	5,10 & 20um	100Å	8

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C18

Cogent Bidentate C18

COGENT BIDENTATE C18™

- ▶ HPLC Columns Bonded on TYPE-C™ Silica Technology
- Useful up to pH 10
- RP & NP & ANP
- Run Reverse Gradients
- Use with 100% Water or 100% Organic
- Robust and Reliable
- High Temperature Capable

EXPANDED SELECTIVITY & SOLVENT USE: These

columns are truly remarkable in how stable, efficient and robust they are but more remarkable in the way they perform. These C18 columns will retain polar and non polar compounds in the same isocratic runs. Utilizing its ability to produce normal phase elution order of compounds with aqueous mobile phases, these columns will retain the most polar compounds with 70% and above, organic content.

What a great tool for LCMS or when developing a non-gradient method. Another powerful characteristic of these columns is their ability to perform a "reverse gradient" and to separate and retain polar compounds above 70% acetonitrile.

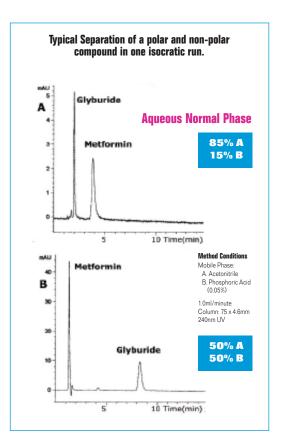
USE IN REVERSE, NORMAL OR AQUEOUS NORMAL PHASES.

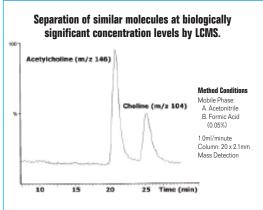
Column Specifications

- Phase & Bonding: C18, Bidentate (2Pts)
- Pore Size: 100Å
- Surface Area: 350m²/gm
- Pore Volume: 0.92mL/gm
- Particle Size: 4.0µm
- End Capped: No
- Carbon Load: 16.0%
- pH Range: 2.0-10.1
- Temperature Max: 125°C

Our most popular sizes

COGENT BIDENTATE C18™	
CAT. NO.	DESCRIPTION
40018-10P-1	1.0mm x 100mm
40018-15P-1	1.0mm x 150mm
40018-25P-1	1.0mm x 250mm
40018-05P-2	2.1mm x 50mm
40018-10P-2	2.1mm x 100mm
40018-15P-2	2.1mm x 150mm
40018-25P-2	2.1mm x 250mm
40018-05P	4.6mm x 50mm
40018-75P	4.6mm x 75mm
40018-10P	4.6mm x 100mm
40018-15P	4.6mm x 150mm
40018-25P	4.6mm x 250mm





Tech Note: Analytes may increase retention with increased Acetonitrile content above 70% for all TYPE-C based HPLC Columns.

HPLC Columns



COGENT BIDENTATE C8™

▶ HPLC Columns Bonded on TYPE-C™ Silica

- Less Hydrophobic
- RP & NP & ANP (HILIC)
- Run Reverse Gradients
- Use with 100% Organic
- Robust and Reliable

Column Specifications

- Phase & Bonding: C8, Bidentate (2Pts)
- Pore Size: 100Å
- Surface Area: 350m²/gm
- Pore Volume: 0.92mL/gm
- Particle Size: 4µm
- End Capped: No
- Carbon Load: 7.0%
- pH Range: 2.0 10.1
- Temperature Max: 125°C

Our most popular sizes

COGENT BIDENTATE C8™		
CAT. NO.	DESCRIPTION	
40008-10P-1	1.0mm x 100mm	
40008-15P-1	1.0mm x 150mm	
40008-25P-1	1.0mm x 250mm	
40008-05P-2	2.1mm x 50mm	
40008-10P-2	2.1mm x 100mm	
40008-15P-2	2.1mm x 150mm	
40008-25P-2	2.1mm x 250mm	
40008-05P	4.6mm x 50mm	
40008-75P	4.6mm x 75mm	
40008-10P	4.6mm x 100mm	
40008-15P	4.6mm x 150mm	
40008-25P	4.6mm x 250mm	

Cholesterol



COGENT™ UDC-CHOLESTEROL™

- **▶** HPLC Columns Bonded on TYPE-C[™] Silica with Unique Phase
- Stable, Efficient, Powerful, Unique—Selectivity3™
- Run Reverse Gradients
- RP & NP & ANP (HILIC)
- Shape Recognition of Steroids

Column Specifications

- Phase & Bonding: Type-C, UDC-Cholesterol
- Pore Size: 100Å
- Surface Area: 350m²/gm
- Pore Volume: 0.92mL/gm
- Particle Size: 4µm
- End Capped: No
- Carbon Load: 11.0%
- pH Range: 2.0-8.0
- Temperature Max: 80°C

Our most popular sizes

COGENT UDC CHOLESTEROL™ HPLC COLUMNS

CAT. NO.	DESCRIPTION
69069-10P-1	1.0mm x 100mm
69069-15P-1	1.0mm x 150mm
69069-25P-1	1.0mm x 250mm
69069-05P-2	2.1mm x 50mm
69069-10P-2	2.1mm x 100mm
69069-15P-2	2.1mm x 150mm
69069-25P-2	2.1mm x 250mm
69069-05P	4.6mm x 50mm
69069-7.5P	4.6mm x 75mm
69069-10P	4.6mm x 100mm
69069-15P	4.6mm x 150mm
69069-25P	4.6mm x 250mm



Silica



COGENT SILICA-C™ COLUMNS FOR IMPROVED NORMAL PHASE HPLC

Perform normal phase reproducibility without any concern for moisture. Carbon free, Type-C™ Silica, makes NP as easy as Reverse Phase.

Column Specifications

- Phase & Bonding: Silica, Type-C™, unbonded
- Pore Size: 100Å
- Surface Area: 350m²/gm
- Pore Volume: 0.92mL/gm
- Particle Size: 4µm
- Carbon Load: 0%
- pH Range: 2.0 7.0
- Temperature Max: 125°C

Our most popular sizes

IMPROVED NORMAL PHASE HPLC	
CAT. NO.	DESCRIPTION
40000-05P-2	2.1mm x 50mm
40000-7.5P-2	2.1mm x 75mm
40000-10P-2	2.1mm x 100mm
40000-15P-2	2.1mm x 150mm
40000-05P	4.6mm x 50mm
40000-7.5P	4.6mm x 75mm
40000-10P	4.6mm x 100mm
40000-15P	4.6mm x 150mm
40000-25P	4.6mm x 250mm

COCENT SILICA CIN COLLIMNS FOR

Available in Semi Prep and Prep Sizes. Inquire for Details.

C8



COGENT BIDENTATE C8 300™ FOR MACRO MOLECULES

These columns offer all of the advantages of other TYPE-C™ columns including a useful range of hydrophobic to hydrophilic compounds, long life, resistant to TFA and other acids and lack of silanols. This column is made with a 5µm particle and 300Å pores for use with large molecules including proteins, peptides, polysaccharides and other polymers.

Column Specifications

- Phase & Bonding: C8-Bidentate
- Pore Size: 300Å
- Surface Area: 150m²/gm
- Pore Volume: 1.5mL/gm
- \bullet Particle Size: $5\mu m$
- End Capped: No
- Carbon Load: 5%
- pH Range: 1.0 10.0
- Temperature Max: 125°C

Our most popular sizes

COGENT BIDENTATE C8 300™		
CAT. NO.	DESCRIPTION	
40008-05P-2-3M	2.1mm x 50mm	
40008-75P-2-3M	2.1mm x 75mm	
40008-10P-2-3M	2.1 mm x 100mm	
40008-15P-2-3M	2.1mm x 150mm	
40008-10P-3M	4.6mm x 100mm	
40008-15P-3M	4.6mm x 150mm	
40008-25P-3M	4.6mm x 250mm	



Diamond Hydride™



COGENT DIAMOND HYDRIDE™ FOR POLAR MOLECULES

Excellent peak shape and good retention coupled with incredible reproducibility from run to run make these columns the best choice for metabolomics, organic acids, carbohydrates, amino acids, peptides and many polar and non polar compounds. This column operates in aqueous normal phase with a substantial range of solvents.

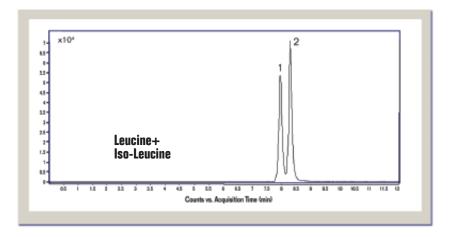
Column Specifications

- Phase & Bonding: Low Carbon
- Pore Size: 100Å
- Surface Area: 350m²/gm
- Pore Volume: 0.92mL/gm
- Particle Size: 4µm
- Carbon Load: >0.5%
- pH Range: 2.5 7.0
- Temperature Max: 60°C

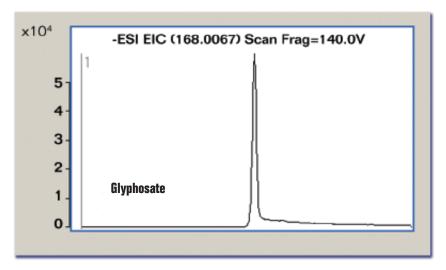
Our most popular sizes

COGENT DIAMOND HYDRIDE™		
CAT. NO.	DESCRIPTION	
70000-05P-1	1.0mm x 50mm	
70000-10P-1	1.0mm x 100mm	
70000-15P-1	1.0mm x 150mm	
70000-05P-2	2.1mm x 50mm	
70000-7.5P-2	2.1mm x 75mm	
70000-10P-2	2.1mm x 100mm	
70000-15P-2	2.1mm x 150mm	
70000-25P-2	2.1mm x 250mm	
70000-05P	4.6mm x 50mm	
70000-7.5P	4.6mm x 75mm	
70000-10P	4.6mm x 100mm	
70000-15P	4.6mm x 150mm	
70000-25P	4.6mm x 250mm	

Separate Isobaric Isomers



Retain Extreme Compounds





Metabolomics Kits





Priced for ValuePolar & Non PolarPerfect for LCMS

This column kit offers a great combination of 2 TYPE-C™ columns at a substantial cost savings.

If you are scouting or searching for very polar and very hydrophobic compounds, the Metabolomics kits contain the tools you need. A Cogent Diamond Hydride™ for polar compounds and a Cogent Bidentate C18™ column for hydrophobic compounds provide the ability to identify almost any compound. Used extensively in metabolomics but often used by other disciplines when looking for impurities, degradation products and other unknowns.

Our most popular sizes

METABOLOMICS KITS		
CAT. NO.	DESCRIPTION	
43000-05P-2	2.1mm x 50mm	
43000-10P-1	1.0mm x 100mm	
43000-10P-2	2.1mm x 100mm	
43000-10P	4.6mm x 100mm	
43000-15P-2	2.1mm x 150mm	

Suite of Columns

- Priced for Value
- ▶ NP, ANP, RP Set of Selectivity
- Method Development Tool Box

The "Suite of Columns" is a complete set with one each of the main TYPE-C™ stationary phases. This array of selectivity offers an incredible reach in finding unknown compounds such as degradation products, impurities and compounds of extreme polarities which may otherwise go undetected when using ordinary HPLC columns.

Economically priced as a kit, the "Suites" save you money from purchasing each column separately and include each of the following phases: Bidentate $C8^{TM}$, Bidentate $C18^{TM}$, UDC-Cholesterol Diamond Hydride Silica- C^{TM} .

Suites are used extensively as a both a scouting and method development tools because these columns are fast, precise, reliable and are orthogonal to each other.

Other sizes and dimensions of columns are available.

Our most popular sizes

SUITE OF COLUMNS	
CAT. NO.	DESCRIPTION
40100-02-2MC	2.0mm x 20mm
40100-02-2MC-G	2.0mm x 20mm Includes holder
40100-02-MC	4.0mm x 20mm
40100-02-MC-G	4.0mm x 20mm Includes holder
40100-05P	4.6mm x 50mm
40100-05P-2	2.1mm x 50mm
40100-05P-3	3.0mm x 50mm
40100-7.5P	4.6mm x 75mm
40100-7.5P-2	2.1mm x 75mm
40100-10P	4.6mm x 100mm
40100-10P-2	2.1 mm x 100mm
40100-15P	4.6mm x 150mm
40100-15P-1	1.0mm x 150mm
40100-15P-2	2.1mm x 150mm
40100-25P	4.6mm x 250mm



Double E™ COGENT EE™ NORMAL PHASE COLUMNS WITH CHIRAL SELECTIVITY



These columns are truly unique and very useful when methods are needed that include both chiral and a-chiral compounds. With the expanded range of non polar solvents possible, these columns can retain compounds such as impurities and separate enantiomers. This is excellent for stability and purity checking. Also excellent as preparative phases.

These silica based columns are based on Type-B, high purity silica and are uniquely coated with cellulose carbamate that allows predictable separations based on HPLC principles as opposed to most chiral columns which only provide chiral separation.

Column Specifications

- Phase & Coating: Cellulose Carbamate
- Pore Diameter: 5nM
- Particle Size: 5, 10 & 20µm
- Wet bulk Density: 0.45g/ml
- pH: 5 +/- 0.5
- pH Range: 3.0-7.0
- Temperature Max: 30°C
- End Capped: No

Analytical sizes, inquire for others.

COGENT EE™	
CAT. NO.	DESCRIPTION
65062-05P	4.6mm x 50mm
65062-7.5P	4.6mm x 75mm
65062-10P	4.6mm x 100mm

Separate & Retain Chiral & a-Chiral in Same Run

You Can Do More with Cogent HPLC Columns.



Cogent TYPE-C™ silica hydride HPLC columns are made with high purity silica. Through a proprietary process, the silica is modified to be populated with silicon hydride functional groups instead of silanols. This group of unique stationary phases provides a greatly expanded capability in HPLC. Try them, you won't be disappointed.

YOU CAN DO MORE!

ORDER FROM: