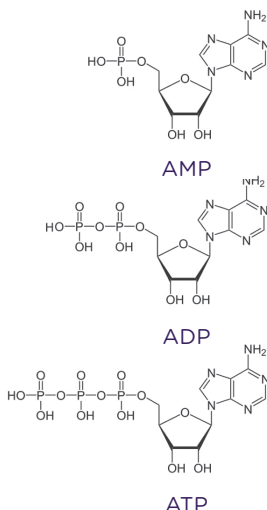
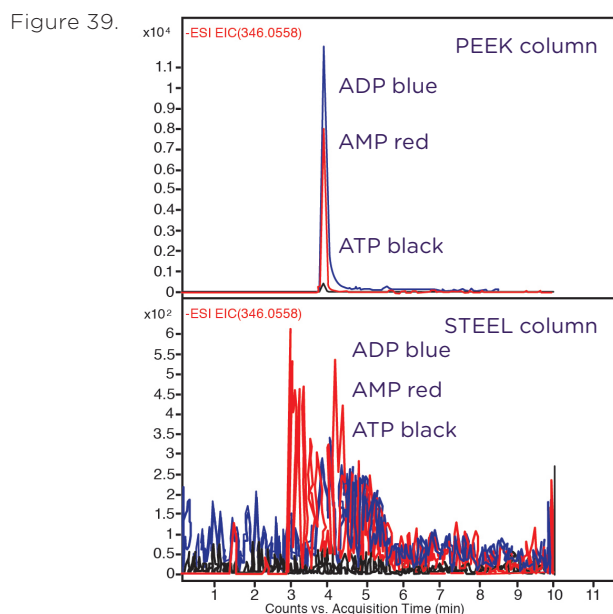


# NEW Cogent™ PEEK Columns

## Metal Free – No Stainless Steel

Cogent™ PEEK HPLC columns are ideal for analyzing compounds that may react with or be degraded by stainless steel. They are more inert to many biological compounds as well as compounds containing chelating groups or those that are ionized in solution. For these compounds the peak shapes may be sharper and the peak area more reproducible from run to run, resulting in improved quantitation.

These PEEK columns also have inert PEEK frits, which minimize adsorption and degradation for susceptible compounds. Column efficiencies and back pressures are similar for the stainless steel and PEEK columns. Maximum pressure rating is 4,500psi.



### Method Conditions

**Column:** Cogent Diamond Hydride™, 4µm, 100Å, PEEK  
**Catalog No.:** 70000-10K-2

**Dimensions.:** 2.1 x 100mm

**Mobile Phase:** A: DI water/10mm ammonium acetate  
 B: 97% Acetonitrile/3% DI water/  
 10mm ammonium acetate (v/v)

Gradient:	time (min.)	%B
	0	90
	6	20
	8	20
	9	90

**Injection vol.:** 1µL

**Flow rate:** 0.4mL/min

**Detection:** ESI - NEG - Agilent 6210 MSD TOF mass

- Peaks:**
- AMP (adenosine monophosphate), 346.0558m/z [M-H]<sup>-</sup>
  - ADP (adenosine diphosphate)
  - ATP (Adenosine triphosphate), 505.9885m/z [M-H]<sup>-</sup>

### Catalog Numbers

To obtain the correct catalog number for your required PEEK column, please replace "XXXXX" with the 5 digit codes listed below.

#### For 4µm particle size columns:

- Amide: **40036**
- Bidentate C8: **40008**
- Bidentate C18: **40018**
- Diamond Hydride: **70000**
- Diol: **40060**
- Phenyl Hydride: **69020**
- Silica-C: **40000**
- UDA: **40031**
- UDC-Cholesterol: **69069**

#### For 2.2µm particle size columns:

- Amide: **40236**
- Bidentate C8: **40208**
- Bidentate C18: **40218**
- Diamond Hydride: **70200**
- Diol: **40260**
- Phenyl Hydride: **69220**
- Silica-C: **40200**
- UDA: **40231**
- UDC-Cholesterol: **69269**

Figure 40.



Cogent All PEEK HPLC Columns

i.d. (mm)	Length (mm)						
	20	30	50	75	100	150	250 <sup>1</sup>
2.1	XXXXX-02K-2	XXXXX-03K-2	XXXXX-05K-2	XXXXX-75K-2	XXXXX-10K-2	XXXXX-15K-2	XXXXX-25K-2
4.6	XXXXX-02K	XXXXX-03K	XXXXX-05K	XXXXX-75K	XXXXX-10K	XXXXX-15K	XXXXX-25K

<sup>1</sup> 250mm is not available in 2.2µm