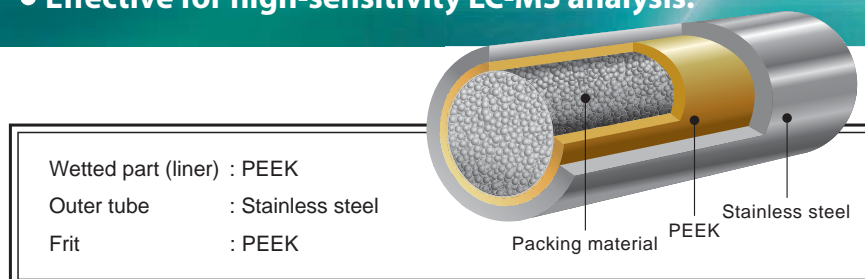


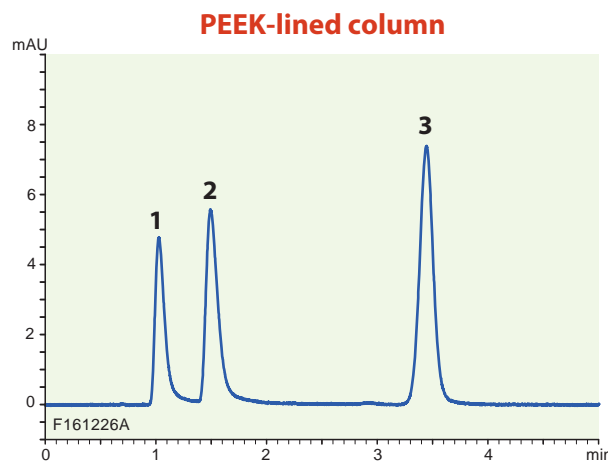
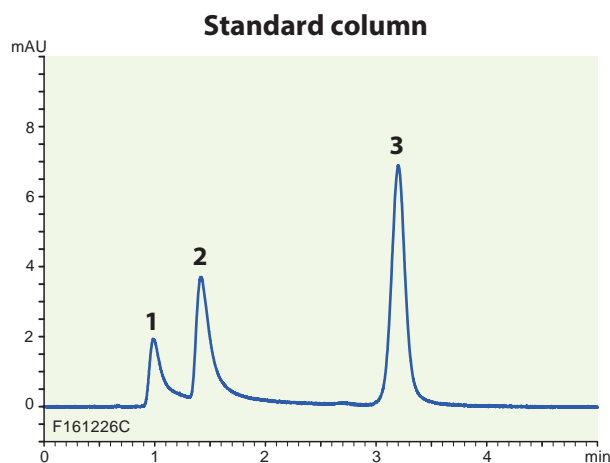
YMC-Triart PEEK-Lined Columns

Features

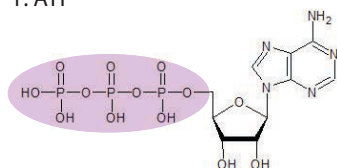
- YMC-Triart stationary phases packed into PEEK-lined column hardware, complete with PEEK frits.
- Suitable for analysis of coordination compounds and other difficult-to-separate species.
- High pressure tolerance guaranteed.
- Effective for high-sensitivity LC-MS analysis.



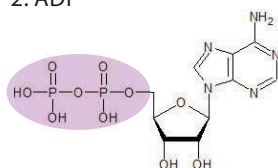
Improved Sensitivity of Coordination Compound Analysis



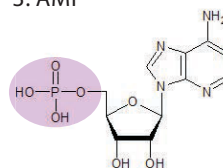
1. ATP



2. ADP



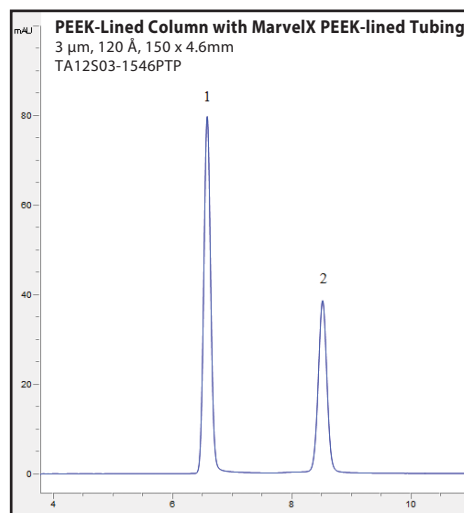
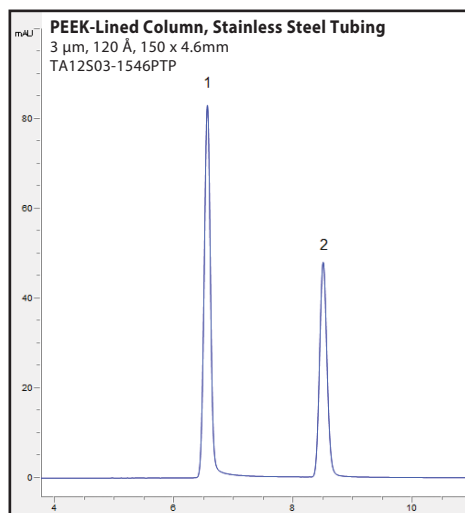
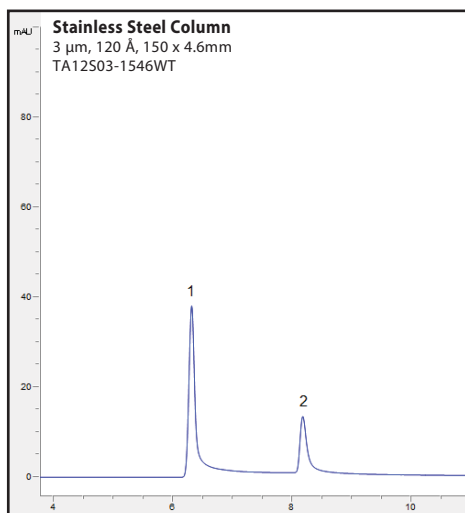
3. AMP



Column	: YMC-Triart C18
	: 3 μ m, 50 x 2.1 mm I.D.
Eluent	: 5 mM HCOONH ₄
Flow rate	: 0.21 mL/min
Temperature	: 25°C
Detection	: UV at 265 nm
Injection	: 1 μ l (10 μ g/mL)

Metal coordination compounds, which have a phosphate group in their structure, tend to show poor peak shape by interacting with the metal(s) in traditional stainless steel columns. On the nucleotide analysis shown above, better peak shape was obtained with the metal-free column.

Reduction of Sample-Metal Column Interaction by Optimization of System Components



Method Parameters:

Mobile Phase: 60:40, H₂O: ACN | Flowrate: 1.0 mL/min | Column Temp: 30° | Inj. Volume: 10 μl | Detection: 310 nm

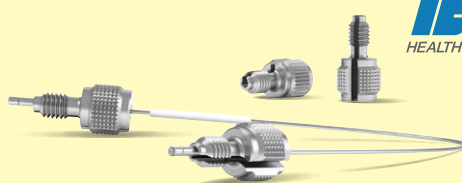
1. 8-Quinolinol
2. Hinokitiol

MarvelX™

MarvelX™ connectors, which use PEEK-lined tubing, can aid in converting to a “metal-free” system.

Finger Tight to
130 MPa

Reusable up to
200 times



Ordering Information

YMC-Triart (PEEK-lined column) (Max pressure: 100 MPa for 1.9 μm, 45 MPa for 3 μm and 5 μm)

Particle size (μm)	Column size inner diameter X length (mm)	Product number					
		Pore size : 120Å		Pore size : 80Å		Pore size : 120Å	
		Triart C18	Triart C18 ExRS	Triart C8	Triart Phenyl	Triart PFP	Triart Diol-HILIC
1.9	2.1 X 50	TA12SP9 -05Q1PTP	TAR08SP9 -05Q1PTP	TO12SP9 -05Q1PTP	TPH12SP9 -05Q1PTP	TPF12SP9 -05Q1PTP	TDH12SP9 -05Q1PTP
	2.1 X 100	TA12SP9 -10Q1PTP	TAR08SP9 -10Q1PTP	TO12SP9 -10Q1PTP	TPH12SP9 -10Q1PTP	TPF12SP9 -10Q1PTP	TDH12SP9 -10Q1PTP
	2.1 X 150	TA12SP9 -15Q1PTP	TAR08SP9 -15Q1PTP	TO12SP9 -15Q1PTP	TPH12SP9 -15Q1PTP	TPF12SP9 -15Q1PTP	TDH12SP9 -15Q1PTP
3	2.1 X 50	TA12S03 -05Q1PTP	TAR08S03 -05Q1PTP	TO12S03 -05Q1PTP	TPH12S03 -05Q1PTP	TPF12S03 -05Q1PTP	TDH12S03 -05Q1PTP
	2.1 X 100	TA12S03 -10Q1PTP	TAR08S03 -10Q1PTP	TO12S03 -10Q1PTP	TPH12S03 -10Q1PTP	TPF12S03 -10Q1PTP	TDH12S03 -10Q1PTP
	2.1 X 150	TA12S03 -15Q1PTP	TAR08S03 -15Q1PTP	TO12S03 -15Q1PTP	TPH12S03 -15Q1PTP	TPF12S03 -15Q1PTP	TDH12S03 -15Q1PTP
	4.6 X 50	TA12S03 -0546PTP	TAR08S03 -0546PTP	TO12S03 -0546PTP	TPH12S03 -0546PTP	TPF12S03 -0546PTP	TDH12S03 -0546PTP
	4.6 X 100	TA12S03 -1046PTP	TAR08S03 -1046PTP	TO12S03 -1046PTP	TPH12S03 -1046PTP	TPF12S03 -1046PTP	TDH12S03 -1046PTP
	4.6 X 150	TA12S03 -1546PTP	TAR08S03 -1546PTP	TO12S03 -1546PTP	TPH12S03 -1546PTP	TPF12S03 -1546PTP	TDH12S03 -1546PTP
5	2.1 X 50	TA12S05 -05Q1PTP	TAR08S05 -05Q1PTP	TO12S05 -05Q1PTP	TPH12S05 -05Q1PTP	TPF12S05 -05Q1PTP	TDH12S05 -05Q1PTP
	2.1 X 100	TA12S05 -10Q1PTP	TAR08S05 -10Q1PTP	TO12S05 -10Q1PTP	TPH12S05 -10Q1PTP	TPF12S05 -10Q1PTP	TDH12S05 -10Q1PTP
	2.1 X 150	TA12S05 -15Q1PTP	TAR08S05 -15Q1PTP	TO12S05 -15Q1PTP	TPH12S05 -15Q1PTP	TPF12S05 -15Q1PTP	TDH12S05 -15Q1PTP
	4.6 X 50	TA12S05 -0546PTP	TAR08S05 -0546PTP	TO12S05 -0546PTP	TPH12S05 -0546PTP	TPF12S05 -0546PTP	TDH12S05 -0546PTP
	4.6 X 100	TA12S05 -1046PTP	TAR08S05 -1046PTP	TO12S05 -1046PTP	TPH12S05 -1046PTP	TPF12S05 -1046PTP	TDH12S05 -1046PTP
	4.6 X 150	TA12S05 -1546PTP	TAR08S05 -1546PTP	TO12S05 -1546PTP	TPH12S05 -1546PTP	TPF12S05 -1546PTP	TDH12S05 -1546PTP

Connection-style: Parker end fitting

Worldwide Availability

YMC Co., LTD.
www.ymc.co.jp

YMC Europe GmbH
www.ymc.de

YMC India Pvt. Ltd.
www.ymcindia.com

YMC Korea Co., Ltd.
www.ymckorea.com

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YMC Singapore Tradelinks Pte. Ltd.
www.ymc.sg

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