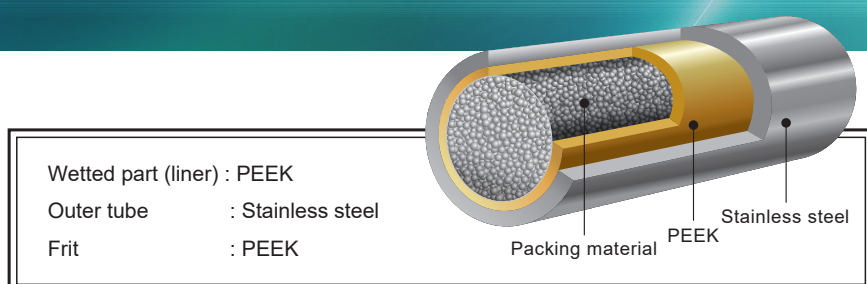


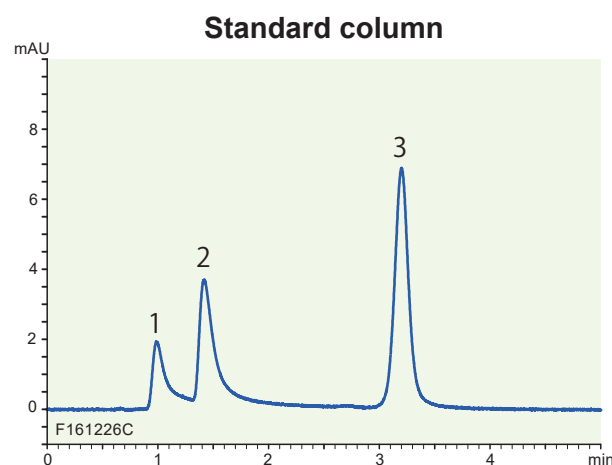
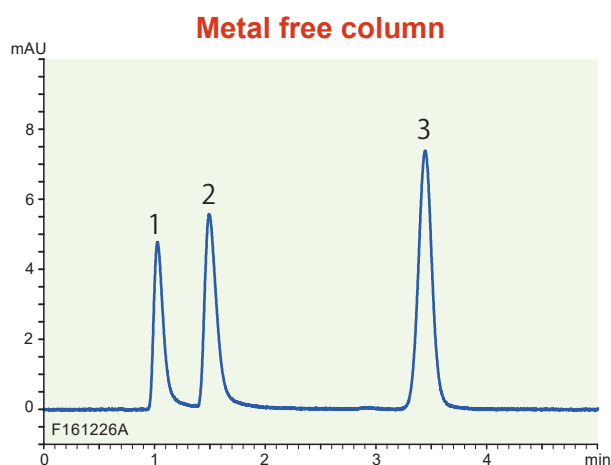
YMC-Triart Metal Free Column

Features

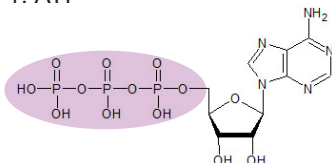
- YMC-Triart materials packed in a “metal free” column hardware that consists of PEEK-lined stainless steel tube and PEEK frit.
- Suitable for analysis of coordination compounds.
- High pressure tolerance guaranteed.



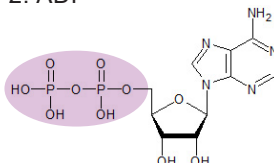
Improved Sensitivity on Coordination Compounds Analysis



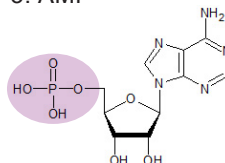
1. ATP



2. ADP



3. AMP

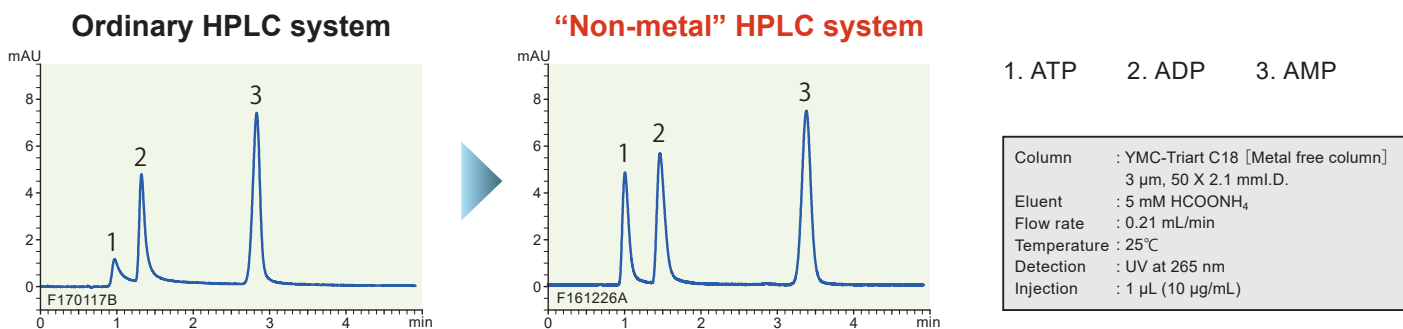


Column	: YMC-Triart C18
	3 μ m, 50 X 2.1 mm I.D.
Eluent	: 5 mM HCOONH ₄
Flow rate	: 0.21 mL/min
Temperature	: 25°C
Detection	: UV at 265 nm
Injection	: 1 μ L (10 μ g/mL)

Metal coordination compounds which have phosphate group in their structure tend to show poor peak shape by interacting with metal, such as stainless steel column. On nucleotides analysis shown above, better peak shape was obtained with the metal free column.

The metal free column is effective for highly-sensitive analysis using LC/MS, as well.

Elimination of Sample-Metal Interaction by Optimization of System Components



Tubing or HPLC system components could induce peak shape deterioration. The example above shows the comparison of nucleotides analysis on an ordinary HPLC system and a “non-metal” HPLC system. The “non-metal” system consists of a PEEK sample loop, a PEEK injector needle seat and a PEEK tubing between injector and column. Just by using such PEEK parts, peak shape of coordination compounds can be greatly improved.

MarvelX™

MarvelX™, which is PEEK-lined tubing, can realize “non-metal” system by just replacing the conventional tubing with it.

Finger Tight to
130 MPa

Reusable up to
200 times

Ordering Information

YMC-Triart [Metal free 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 : 120 Å Triart C18	Pore size : 80 Å Triart C18 ExRS	Pore size : 120 Å Triart C8	Pore size : 120 Å Triart Phenyl	Pore size : 120 Å Triart PFP	Pore size : 120 Å 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 (UPLC compatible)

Please inquire us for MarvelX™ products.

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Distributor

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