

# Introduction

We are pleased to present the 13th YMC General Catalog. Since its formation in 1980, YMC CO., LTD. has been working in the rapidly changing field of chemistry. Over this time, the rate of discovery of new materials and technologies for improving the quality of life have been occurring at rates never dreamed of by past generations. Additionally, chemistry disciplines are becoming increasingly cross-linked with each other as well as with related technologies, and these discoveries generate an even greater impact on the expansion of all chemical and biological fields.

YMC CO., LTD. believes that progress in chemistry is infinite and has focused its resources in the field of High

Performance Liquid Chromatography, a key technology that contributes to the discovery, analysis, and purification of important chemical substances. Substances that are discovered, analyzed, and/or purified using YMC products frequently contribute to the improved health and well being of humans and animals. For example, YMC is extremely proud of the important contribution that our company makes in the area of diabetes care. Compounds used in the treatment of diabetes are often analyzed and/or purified using YMC products developed and manufactured by our company.

YMC's intellectual assets and the know-how cultivated by many years of experience with High Performance Liquid Chromatography have been combined with complementing technology platforms so that we can continue our challenge of pushing limits in precision, detection, discovery, and production. The following pages in this catalog represent the fruits of our company's effort towards helping YMC fulfill its mission of helping our customers succeed in sustaining and improving the quality of life for the present and future generations.



山村隆治

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Ryuji Yamamura  
CEO

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# Purchasing products

YMC CO., LTD. products are available all over the world. Our products are available through local distributors. For distributors all over the world, visit our website.



United States | Canada | Mexico | Central America | South America

## YMC America, Inc.

E-Mail: [info@ymcamerica.com](mailto:info@ymcamerica.com)

URL: <http://www.ymcamerica.com/>

## YMC Process Technologies, Inc.

E-Mail: [sales@ymcpt.com](mailto:sales@ymcpt.com)

URL: <https://www.ymcpt.com/>

Korea

## YMC Korea Co., Ltd.

E-Mail: [info@ymckorea.com](mailto:info@ymckorea.com)

URL: <http://www.ymckorea.com>

Japan | South Asia | Oceania

## YMC CO., LTD.

E-Mail: [sales@ymc.co.jp](mailto:sales@ymc.co.jp)

URL: <http://www.ymc.co.jp/>

China

## YMC Shanghai Rep. Office

E-Mail: [sales@ymcchina.com](mailto:sales@ymcchina.com)

URL: <http://www.ymcchina.com>

Europe | Middle East | Africa | Former U.S.S.R.

## YMC Europe GmbH

E-Mail: [info@ymc.de](mailto:info@ymc.de)

URL: <http://www.ymc.de>

## YMC Switzerland LLC

E-Mail: [info@ymc-schweiz.ch](mailto:info@ymc-schweiz.ch)

URL: <http://www.ymc-schweiz.ch>

India

## YMC India Pvt. Ltd.

E-Mail: [sales@ymcindia.com](mailto:sales@ymcindia.com)

URL: <http://www.ymcindia.com>

South East Asia

## YMC Singapore Tradelinks Pte. Ltd.

E-Mail: [sales@ymc.sg](mailto:sales@ymc.sg)

URL : <http://www.ymc.co.jp/en/>

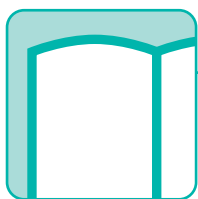
Taiwan

## YMC Taiwan Co., Ltd.

E-Mail: [info@ymctaiwan.com](mailto:info@ymctaiwan.com)

URL: <http://www.ymctaiwan.com>

# Please read this section before ordering



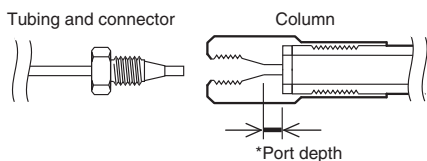
## Checking a catalog item

Check your desired product in the ordering information section on each page.

### Example

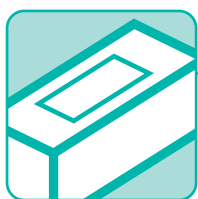
Ordering Information -Columns-							
Pressure limit : 100 MPa for 1.9 µm, 45 MPa for 3 µm and 5 µm; Style of endfitting : Parker style (UPLC)							
Particle size (µm)	Column size inner diameter X length (mm)	Triart C18 (120 Å)	Triart C18 ExRS (80 Å)	Triart C8 (120 Å)	Triart Phenyl (120 Å)	Triart PFP (120 Å)	Triart Bio C4 (300 Å)
1.9	2.0 X 20	TA12SP9-0202PT	TAR08SP9-0202PT	TO12SP9-0202PT	TPH12SP9-0202PT	TPF12SP9-0202PT	—
	2.0 X 30	TA12SP9-0302PT	TAR08SP9-0302PT	TO12SP9-0302PT	TPH12SP9-0302PT	TPF12SP9-0302PT	—
	2.0 X 50	TA12SP9-0502PT	TAR08SP9-0502PT	TO12SP9-0502PT	TPH12SP9-0502PT	TPF12SP9-0502PT	—
	2.0 X 75	TA12SP9-L502PT	TAR08SP9-L502PT	TO12SP9-L502PT	TPH12SP9-L502PT	TPF12SP9-L502PT	—
	2.0 X 100	TA12SP9-1002PT	TAR08SP9-1002PT	TO12SP9-1002PT	TPH12SP9-1002PT	TPF12SP9-1002PT	—
	2.0 X 150	TA12SP9-1502PT	TAR08SP9-1502PT	TO12SP9-1502PT	TPH12SP9-1502PT	TPF12SP9-1502PT	—
	2.1 X 20	TA12SP9-02Q1PT	TAR08SP9-02Q1PT	TO12SP9-02Q1PT	TPH12SP9-02Q1PT	TPF12SP9-02Q1PT	TB30SP9-02Q1PT

### Consideration of connector and column fittings



The end of the product number	*Port depth	Style of endfitting
PT / PTH / PTP	2 mm	Parker style (UPLC compatible)
WT / WX / WTG / WP / WTS	3 mm	Waters (W) style

UPLC is a registered trademark of Waters Corporation



## Checking the product label

Check these items on the label of your product before re-ordering.

Product name — **YMC-Triart C18**

Column size — **250 x 4.6 mm I.D.**

Particle size, Pore size — **S-5 µm, 12nm**

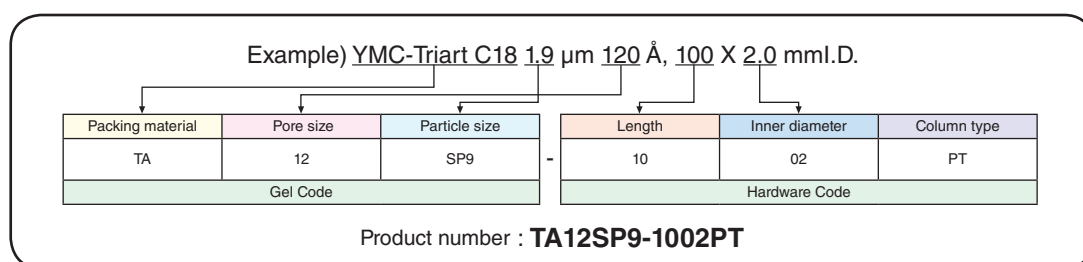
**TA12S05-2546WT** — Product number

**No.150AA62001** — Serial number

# Ordering Information

## Full listing of all chemistries and dimensions

Gel Code								Hardware Code					
Packing material	Code	Packing material	Code	Pore size (Å)	Code	Particle size (µm)	Code	Length (mm)	Code	Inner diameter (mm)	Code	Column type	Code
Triart C18	TA	Triart Diol-HILIC	TDH	50	05	1.9	SP9	5	E5	1.0	01	Parker style	PT
Triart C18 ExRS	TAR	SIL	SL	60	06	2	S02	10	01	2.0	02		PTH
Triart C8	TO	Diol-NP	DN	80	08	2.7	SQ7	20	02	2.1	Q1	Metal free column	PTP
Triart Phenyl	TPH	PVA-Sil	PV	100	10	3	S03	30	03	3.0	03	Waters style	WT
Triart PFP	TPF	Polyamine II	PB	120	12	4	S04	33	H3	4.0	04		WX
Triart Bio C4	TB	NH <sub>2</sub>	NH	160	16	5	S05	35	H5	4.6	46		WTG
Meteoric Core C18	CAS	PA-G	PG	200	20	6	S06	50	05	6.0	06	Flange type	WP
Meteoric Core C18 BIO	CAW	BioPro IEX QF	QF	250	25	10	S10	75	L5	8.0	08		AR
Meteoric Core C8	COS	BioPro IEX SF	SF	300	30		S11	100	10	10	10	10	ARG
Pro C18	AS	BioPro IEX QA	QA	500	50	15	S16	125	R5	20	20	Cartridge	GC
Hydrosphere C18	HS	BioPro IEX SP	SP	wide pore	A0	20	S20	150	15	30	30		CC
Pro C18 RS	RS	YMC-SEC MAB	DLM	proprietary	99		S21	250	25	50 (1000 psi)	51	51	CCN
Pro C8	OS	Diol	DL	non-porous	00	30	S30	300	30	50 (2000 psi)	52	SFC column	WTS
Pro C4	BS	BioPro HIC BF	BHB			50	S50	500	50				
ODS-A	AA	CHIRAL ART Amylose-SA	KSA			75	S75	600	60				
ODS-AM	AM	CHIRAL ART Cellulose-SB	KSB			150	SA5						
ODS-AQ	AQ	CHIRAL ART Cellulose-SC	KSC										
ODS-AL	AL	CHIRAL ART Cellulose-SJ	KSJ										
C <sub>s</sub>	OC	CHIRAL ART Amylose-C Neo	KBN										
C <sub>c</sub>	BU	CHIRAL ART Cellulose-C	KCN										
TMS	TM	CHIRAL NEA (R)	NR										
Ph	PH	CHIRAL NEA (S)	NS										
CN	CN	CHIRAL α -CD BR	DA										
PROTEIN-RP	PR	CHIRAL β -CD BR	DB										
YMCbasic	BA	CHIRAL γ -CD BR	DG										
YMC Carotenoid	CT	YMC-GPC	GP										
J'sphere ODS-H80	JH												
J'sphere ODS-M80	JM												
J'sphere ODS-L80	JL												
PolymerC18	PC												



Please note that combinations of features cannot be selected at random, but only from the possible specifications for a chosen stationary phase. These can be determined from the individual product sections in this catalog or from our website.