

YMC-Triart C18

versatile hybrid silica based (U)HPLC columns

YMC
EUROPE GMBH
The Selectivity Company

Now available:
YMC-Triart C18
1.9 μm

Universal

suitable for acidic,
basic and neutral
analytes

Flexible

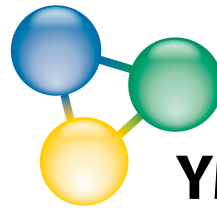
pH 1-12
Temperatures
up to 70°C

Cost efficient

high stability
long column
lifetime

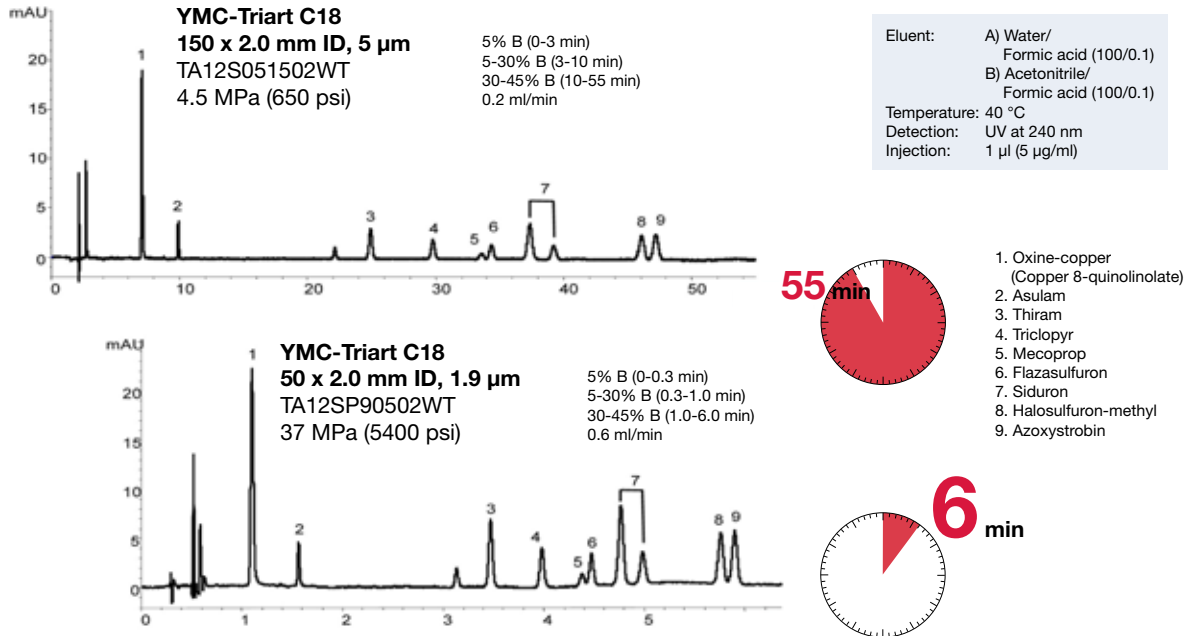
Schöttmannshof 19
46539 Dinslaken
Tel.: 02064 427-0
Fax: 02064 427-222
E-Mail: info@ymc.de

www.ymc.de



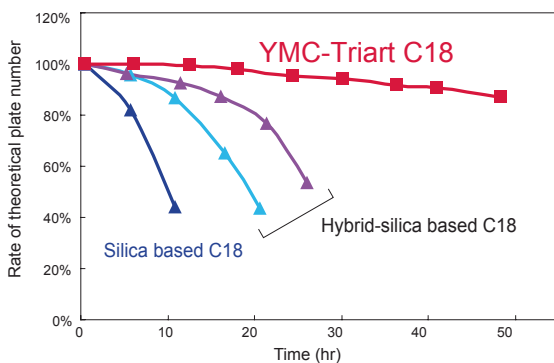
YMC-Triart C18

Ultra fast analysis with 1.9 μm YMC-Triart C18



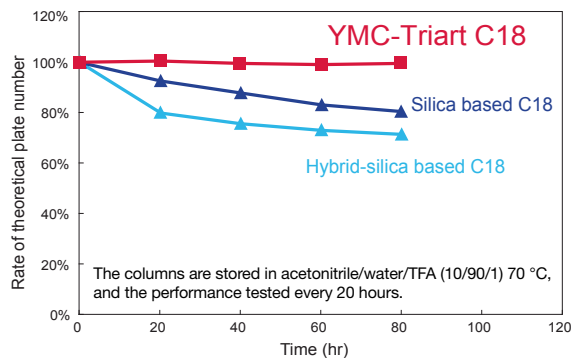
Versatile wide pH and temperature stability

Phosphate buffer (pH 11.5, 40 °C)

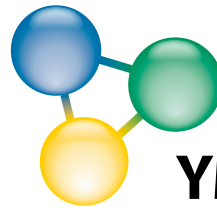


Column: 5 μm , 150 x 4.6 mm ID
 Eluent: 50 mM K_2HPO_4 - K_3PO_4 (pH 11.5) / methanol (90/10)
 Flow rate: 1.0 ml/min
 Temperature: 40 °C
 Sample: benzyl alcohol

pH 1, 70 °C



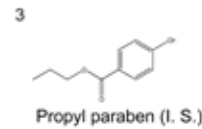
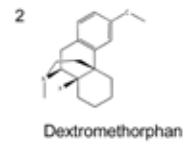
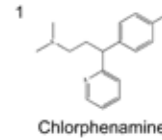
Test conditions
 Column: 5 μm , 50 x 2.0 mm ID
 Eluent: acetonitrile / water (60/40)
 Flow rate: 0.2 ml/min
 Temperature: 70 °C
 Sample: butyl benzoate



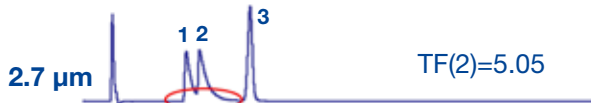
YMC-Triart C18

YMC-Triart C18, 1.9 μm = higher resolution and good loadability

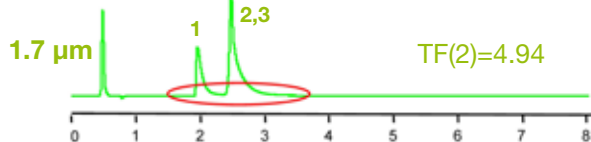
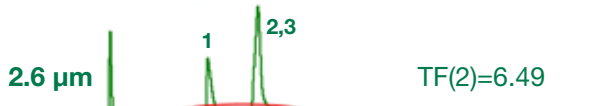
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Ascentis Express C18

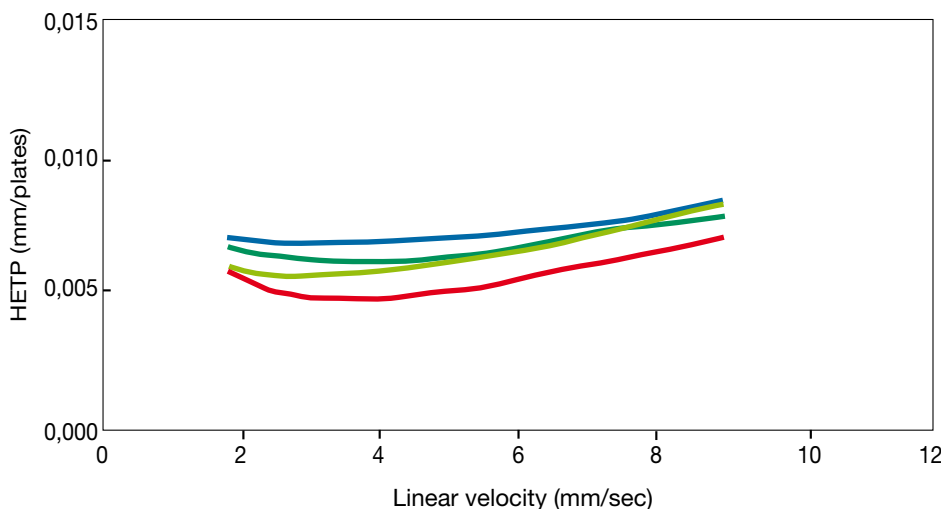


Kinetex C18



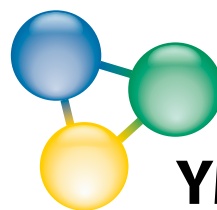
Column: 50 x 2.0 or 2.1 mm ID
 Eluent: 20 mM KH_2PO_4 - K_2HPO_4 (pH 6.9)/ Acetonitrile (65/35)
 Flow rate: 0.2 ml/min
 Detection: UV at 235 nm
 Temperature: 40 °C

YMC-Triart C18, 1.9 μm , smaller HETP = higher resolution!



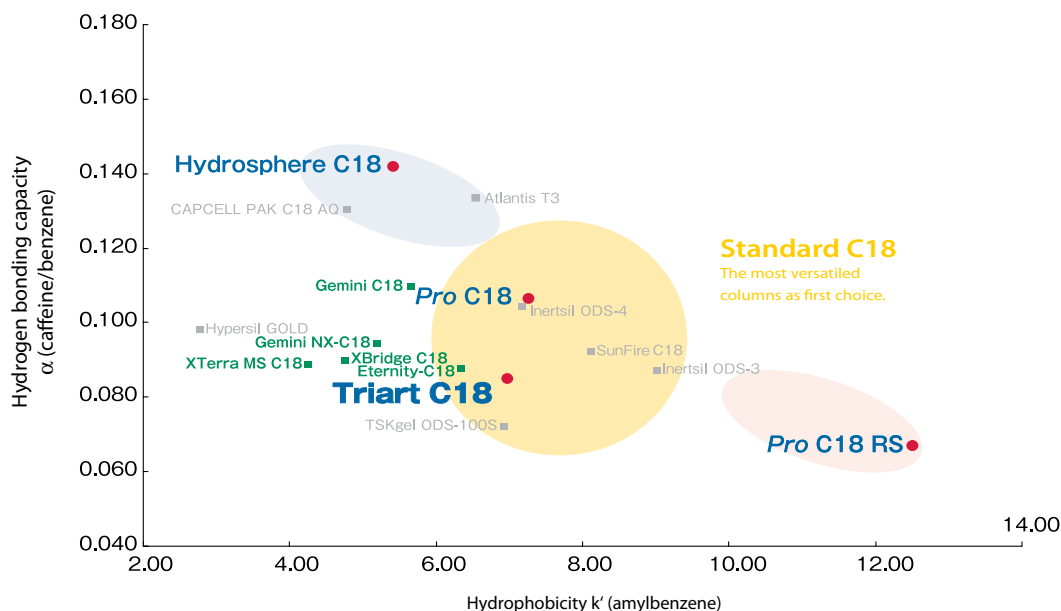
— 1.9 μm YMC-Triart C18
 — 2.7 μm Ascentis Express (Core-shell type)
 — 2.6 μm Kinetex C18 (Core-shell type)
 — 1.7 μm Kinetex C18 (Core-shell type)

Column: 50 x 2.0 or 2.1 mm ID
 Eluent: Acetonitrile/Water (60/40)
 Detection: UV at 254 nm
 Sample: Butylbenzoate



YMC-Triart C18

First choice for method development



Ordering information YMC-Triart C18, 1.9 μ m

Particle Size [μ m]	Pore Size [nm]	Dimensions [mm]	Part Number
1.9	12	30 x 2.0	TA12SP90302WT
		50 x 2.0	TA12SP90502WT
		75 x 2.0	TA12SP9L502WT
		100 x 2.0	TA12SP91002WT
		50 x 3.0	TA12SP90503WT
		75 x 3.0	TA12SP9L503WT
		100 x 3.0	TA12SP91003WT

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