

# YMC-Triart C18

versatile hybrid silica based (U)HPLC columns

**YMC**  
EUROPE GMBH  
The Selectivity Company

Now available:  
YMC-Triart C18  
**1.9  $\mu\text{m}$**

## Universal

suitable for acidic,  
basic and neutral  
analytes

## Flexible

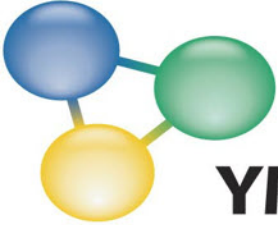
pH 1-12  
Temperatures  
up to 70°C

## Cost efficient

high stability  
long column  
lifetime

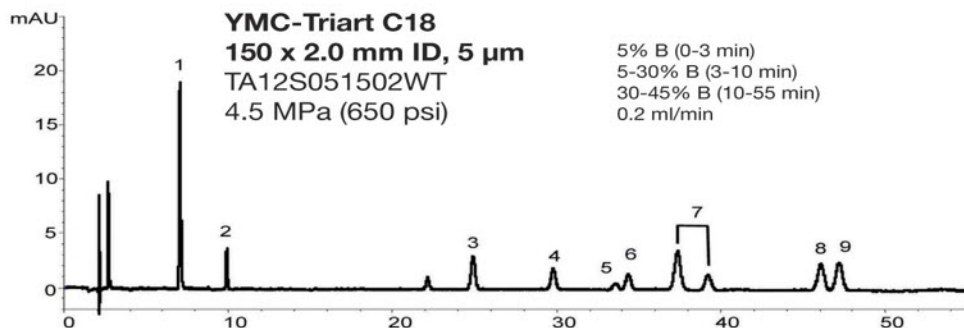


Hichrom Limited  
1 The Markham Centre, Theale,  
Reading, Berkshire, RG7 4PE  
Tel: 0118 930 3660, Fax: 0118 932 3484  
email: [technical@hichrom.co.uk](mailto:technical@hichrom.co.uk)

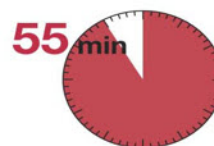


# YMC-Triart C18

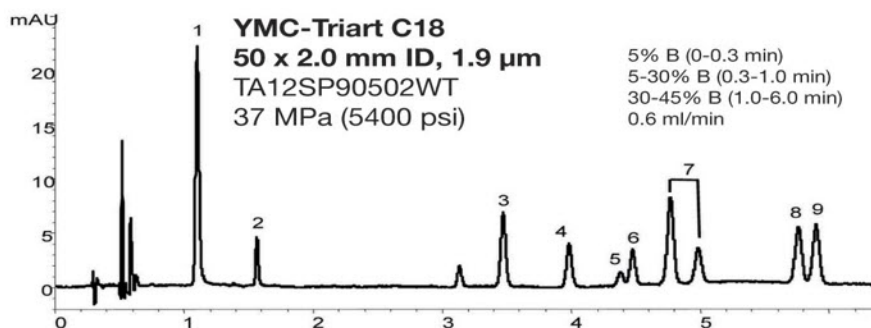
## Ultra fast analysis with 1.9 $\mu\text{m}$ YMC-Triart C18



Eluent: A) Water/  
 Formic acid (100/0.1)  
 B) Acetonitrile/  
 Formic acid (100/0.1)  
 Temperature: 40 °C  
 Detection: UV at 240 nm  
 Injection: 1  $\mu\text{l}$  (5  $\mu\text{g/ml}$ )

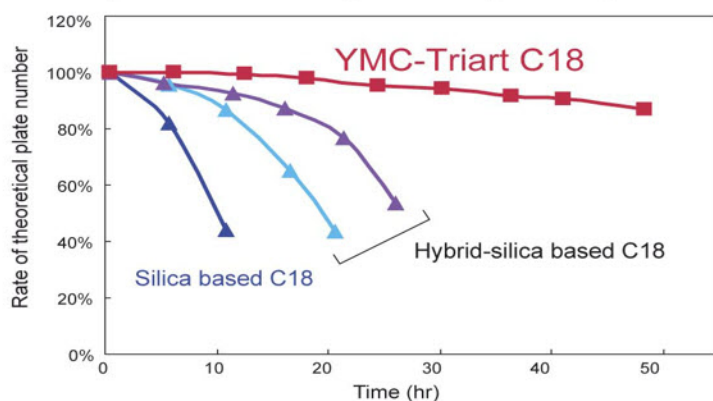


1. Oxine-copper (Copper 8-quinolinolate)
2. Asulam
3. Thiram
4. Triclopyr
5. Mecoprop
6. Flazasulfuron
7. Siduron
8. Halosulfuron-methyl
9. Azoxystrobin

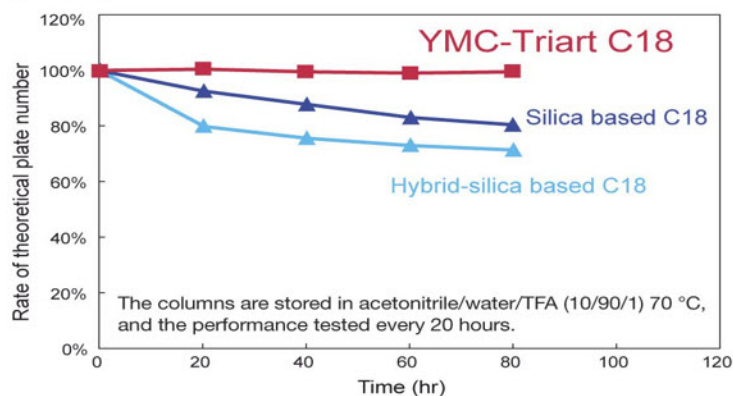


## Versatile wide pH and temperature stability

### Phosphate buffer (pH 11.5, 40 °C)



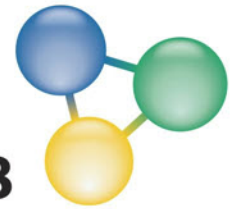
### pH 1, 70 °C



Column: 5  $\mu\text{m}$ , 150 x 4.6 mm ID  
 Eluent: 50 mM  $\text{K}_2\text{HPO}_4$ - $\text{K}_3\text{PO}_4$  (pH 11.5) / methanol (90/10)  
 Flow rate: 1.0 ml/min  
 Temperature: 40 °C  
 Sample: benzyl alcohol

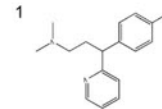
Test conditions  
 Column: 5  $\mu\text{m}$ , 50 x 2.0 mm ID  
 Eluent: acetonitrile / water (60/40)  
 Flow rate: 0.2 ml/min  
 Temperature: 70 °C  
 Sample: butyl benzoate

# YMC-Triart C18

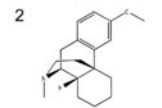


## YMC-Triart C18, 1.9 $\mu\text{m}$ = higher resolution and good loadability

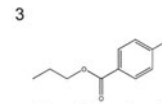
YMC-Triart C18



Chlorphenamine

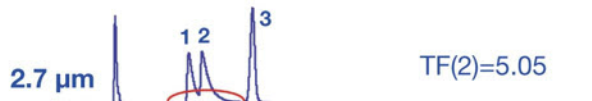


Dextromethorphan

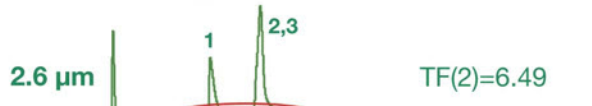


Propyl paraben (I. S.)

Ascentis Express C18

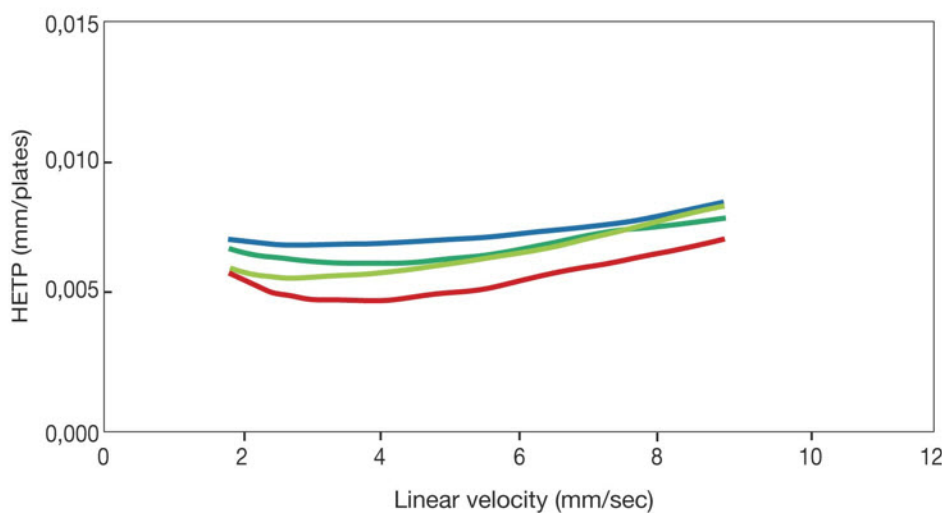


Kinetex C18



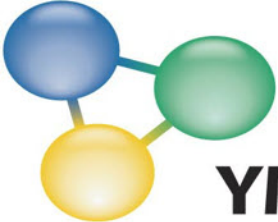
Column: 50 x 2.0 or 2.1 mm ID  
 Eluent: 20 mM KH<sub>2</sub>PO<sub>4</sub>-K<sub>2</sub>HPO<sub>4</sub> (pH 6.9)/ Acetonitrile (65/35)  
 Flow rate: 0.2 ml/min  
 Detection: UV at 235 nm  
 Temperature: 40 °C

## YMC-Triart C18, 1.9 $\mu\text{m}$ , smaller HETP = higher resolution!



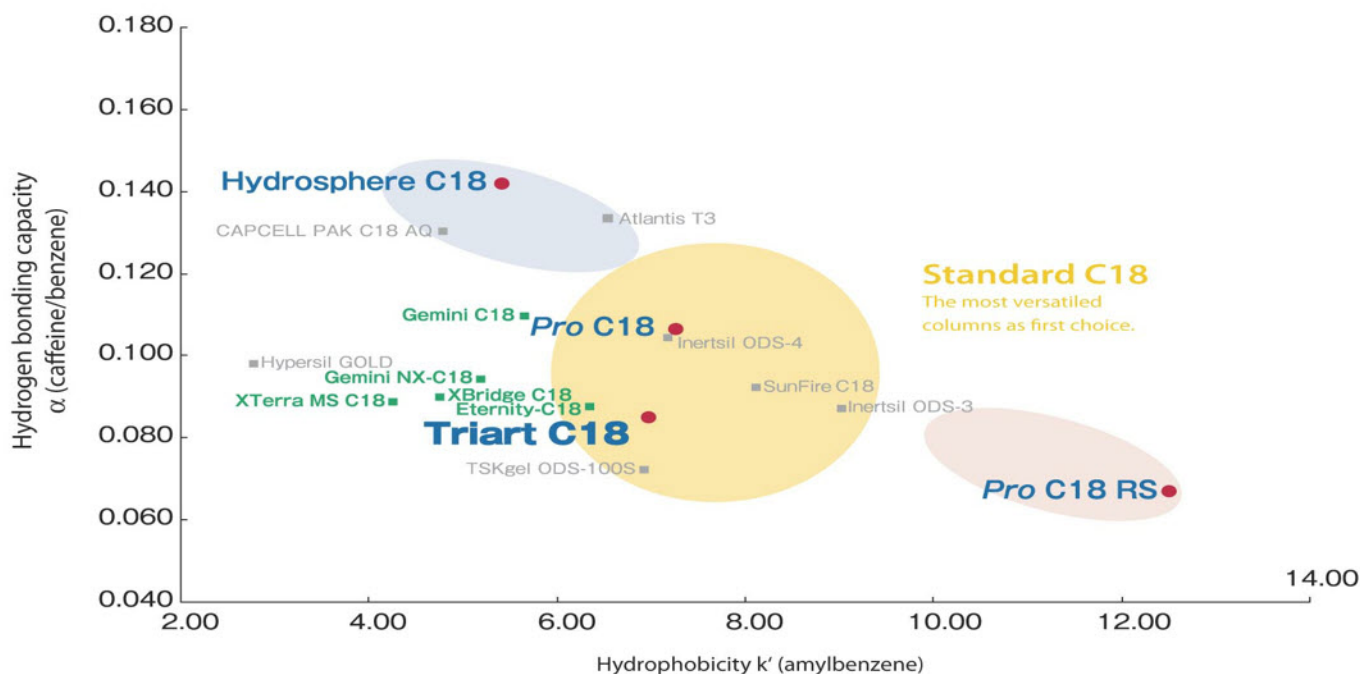
- 1.9  $\mu\text{m}$  YMC-Triart C18
- 2.7  $\mu\text{m}$  Ascentis Express (Core-shell type)
- 2.6  $\mu\text{m}$  Kinetex C18 (Core-shell type)
- 1.7  $\mu\text{m}$  Kinetex C18 (Core-shell type)

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 $\mu\text{m}$

Particle Size [ $\mu\text{m}$ ]	Pore Size [nm]	Dimensions [mm]	Part Number
1.9	12	20 x 2.0	TA12SP90202WT
		30 x 2.0	TA12SP90302WT
		50 x 2.0	TA12SP90502WT
		75 x 2.0	TA12SP9L502WT
		100 x 2.0	TA12SP91002WT
		150 x 2.0	TA12SP91502WT
		30 x 3.0	TA12SP90303WT
		50 x 3.0	TA12SP90503WT
		75 x 3.0	TA12SP9L503WT
		100 x 3.0	TA12SP91003WT

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