YMC-Triart C18
versatile hybrid silica based (U)HPLC columns

Universal
suitable for acidic, basic and neutral analytes

Flexible
pH 1-12
Temperatures up to 70°C

Cost efficient
high stability
long column lifetime

Now available:
YMC-Triart C18
1.9 µm

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Ultra fast analysis with 1.9 µm YMC-Triart C18

YMC-Triart C18
150 x 2.0 mm ID, 5 µm
TA12S051502WT
4.5 MPa (650 psi)

YMC-Triart C18
50 x 2.0 mm ID, 1.9 µm
TA12SP90502WT
37 MPa (5400 psi)

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 µl (5 µg/ml)

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

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 K2HPO4-K3PO4 (pH 11.5) / methanol (90/10)
Flow rate: 1.0 ml/min
Temperature: 40 °C
Sample: benzyl alcohol

Silica based C18
Hybrid-silica based C18

pH 1, 70 °C

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

The columns are stored in acetonitrile/water/TFA (10/90/1) 70 °C, and the performance tested every 20 hours.
YMC-Triart C18, 1.9 µm = higher resolution and good loadability

YMC-Triart C18

Ascentis Express C18

Kinetex C18

YMC-Triart C18, 1.9 µm, smaller HETP = higher resolution!
First choice for method development

Ordering information YMC-Triart C18, 1.9 µm

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