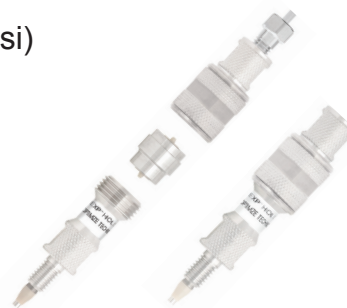


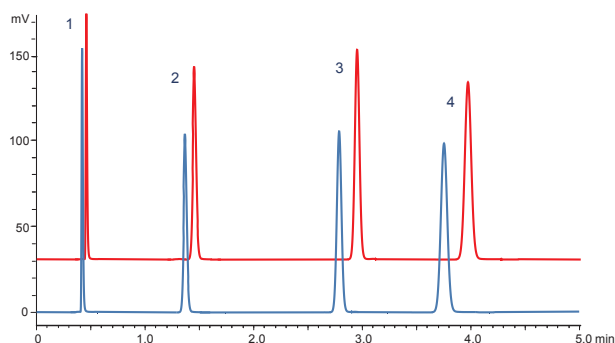
# Guard Cartridge Column for UHPLC EXP® Guard Cartridge Column

## Features

- ▶ High Pressure resistance rated to 100 MPa (15,000 psi)
- ▶ Low-volume, low-dispersion cartridges minimize the impact on separation
- ▶ Zero-dead-volume direct connection to column
- ▶ Compatible with various column connection types
- ▶ Hand-tight guard replacement (No tool needed)
- ▶ Ideal for protecting Triart 1.9 μm analytical column



## Low-volume, low-dispersion cartridges minimize the impact on separation



Column	: YMC-Triart C18 (1.9 μm, 12 nm) 100 X 2.0 mm I.D.
Eluent	: acetonitrile/water (60/40)
Flow rate	: 0.4 mL/min
Temperature	: 25°C
Detection	: UV at 270 nm
Injection	: 1 μL
Sample	: 1. Uracil (0.05 mg/mL) 2. Methyl benzoate (0.5 μL/mL) 3. Naphthalene (0.18 mg/mL) 4. Butyl benzoate (1.5 μL/mL)

With guard cartridge  
N4=19,200  
Main column only  
N4=19,700

EXP guard cartridge column with low-volume and low-dispersion column minimize the impact on separation. EXP guard cartridge column provides less than 3% decrease in theoretical plate count.

## Ordering information

### EXP® Guard Cartridge Column

Packing material	Column size inner diameter x length (mm)	Product number	
YMC-Triart C18 (1.9 μm, 12 nm)	2.1 X 5	TA12SP9-E5Q1CC	(3 / pack)
	3.0 X 5	TA12SP9-E503CC	(3 / pack)

A cartridge holder will need to be purchased separately before using this product for the first time. Other phase than listed above, please inquire.

### Cartridge holder

Product name / Specification	Product number	
EXP® direct connect holder (1 titanium hybrid ferrule included) * Ferrule is adjustable. Pressure rated to 140 Mpa (20,000 psi)	XPCHUHP	(1 / pack)

### Ferrule for replacement

Titanium hybrid ferrule (5 / pack)	XRHTF-05	(5 / pack)
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### Fitting for connecting system and main column / guard cartridge

Hand-tight EXP® fitting (1 titanium hybrid ferrule included) * Ferrule is adjustable. Pressure rated to 140 MPa (20,000 psi)	XRHTF-01	(1 / pack)
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\* EXP is a registered trademark of Optimize Technologies, Inc.



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