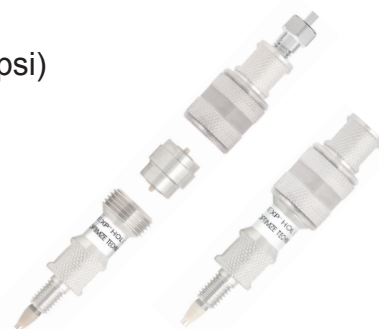


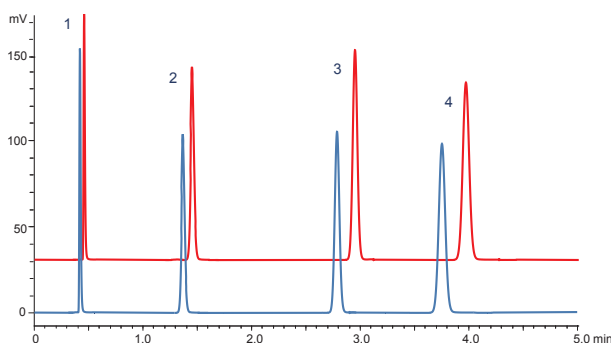
Guard Cartridge Column for UHPLC EXP[®] Guard Cartridge Column

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 μ m analytical column



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



Column	: YMC-Triart C18 (1.9 μ m, 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 μ L
Sample	: 1. Uracil (0.05 mg/mL) 2. Methyl benzoate (0.5 μ L/mL) 3. Naphthalene (0.18 mg/mL) 4. Butyl benzoate (1.5 μ L/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 (3 / pack)

Particle size (μ m)	Pore size (Å)	Column size inner diameter x length (mm)	Product number			
			Triart C18	Triart C8	Triart Phenyl	Triart PFP
1.9	120	2.1 X 5	TA12SP9-E5Q1CC	TO12SP9-E5Q1CC	TPH12SP9-E5Q1CC	TPF12SP9-E5Q1CC
		3.0 X 5	TA12SP9-E503CC	TO12SP9-E503CC	TPH12SP9-E503CC	TPF12SP9-E503CC

A cartridge holder will need to be purchased separately before using this product for the first time.

Cartridge holder

Product name / Specification	Product number	
EXP [®] direct connect holder (2 titanium hybrid ferrules and 1 nut 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.