

Supelco又一波革命性的新產品!

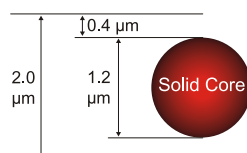
將實心核Fused-Core的技術應用於UHPLC管柱上，絕對讓您原本的UHPLC系統效再突破，發揮得更玲瓏盡致!

Ascentis® Express 2.0 µm UHPLC Columns

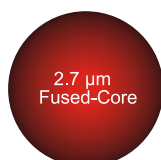
▶ 更快速!
更好的分離度!
更高的理論板數!



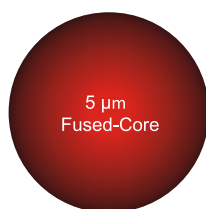
Supelco Ascentis Express 快速實心核系列管柱，包含以下3種粒徑模式，2µm、2.7µm及5µm。能運用於目前市面上各型HPLC系統，包含傳統型HPLC、新型增壓HPLC、LC/MS及UHPLC等。



Best Fused-Core UHPLC Column
An optimized solution for high-throughput small molecule analysis



Fast HPLC on ANY System
A practical solution that delivers UHPLC performance from any HPLC



The Lab Work-Horse Column
True plug and play solution for improving existing 3 or 5 µm porous particle HPLC columns

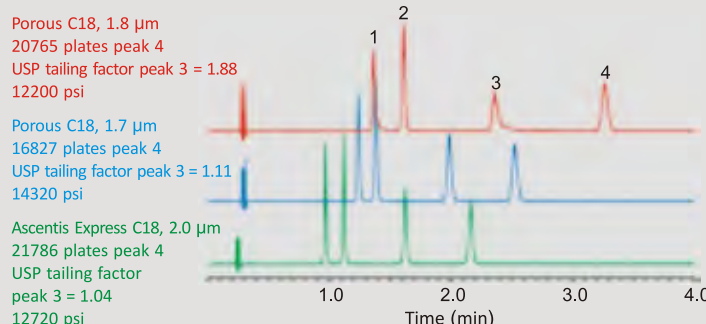
Ascentis Express 2.0µm 特點

- 由於修正了一般sub-2µm(如1.8 or 1.9µm) 固著性缺點，其在效能方面能表現得更優異。
- 對於UHPLC系統，在壓力與效能中提供了更理想的平衡。
- 目前提供C18及F5(USP L43) 二種phase。

相對於一般全孔性材料管柱，Ascentis Express 2.0 µm 實心核粒子提供了更對稱的波峰(趨近1.0)、更快更有效率的分析及更高的理論板數(=效能)。

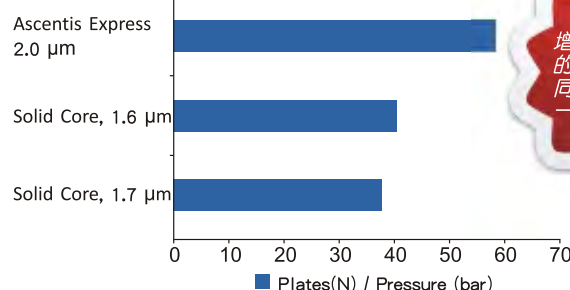
column: Ascentis Express C18, 10 cm x 2.1 mm I.D., 2.0 µm (50813-U)
mobile phase: (A) water with 0.1% formic acid; (B) acetonitrile with 0.1% formic acid; (65:35, A:B)
flow rate: 0.8 mL/min
temp.: 35 °C
det: UV, 240 nm
injection: 0.5 µL
sample: 50 µg/mL in 80:20, water:methanol
instrument: Dionex Ultimate 3000

1. Oxazepam
2. Nordiazepam
3. Temazepam
4. Diazepam



新實心核Ascentis Express 2.0µm UHPLC Column 與一般2µm以下實心核管柱之理論板數比較

column: 5 cm x 2.1 mm, I.D.
mobile phase: A:acetonitrile; B:water; (50:50 - 47:53, A:B)
flow rate: 0.5 mL/min
temp.: 35 °C
instrument: Shimadzu Nexera



增加了至少30%
的理論板數值!等
同於效能高出於
一般管柱的30%!

如何選擇適合您的管柱

Selecting Your Ascentis® Express 2.0 µm Column

Which column I.D. is best for my needs?

- If you are doing Mass Spec.....2.1 mm I.D.
- If you want high loading3.0 mm I.D.
- If you want high sensitivity.....2.1mm I.D.
- If you want high performance.....3.0 mm I.D.

Which column length is best for my needs?

- If you want to maximize the speed of your application2 to 5 cm
- If you want a balance of resolution and speed10 cm

What flow rate is best for my needs?

- If you are using a column with a 3.0 mm I.D.....0.8 to 2.0 mL/min*
- If you are using a column with a 2.1 mm I.D.....0.4 to 1.8 mL/min*

*Higher flow rates may be allowed by certain instruments.

Ascentis Express 2.0 µm Fused-Core Silica Characteristics 粒子規格

Pore Size	90Å
Max Temp.....	60 °C
Pressure	1000bar (14500 psi)
Features	Endcapped
Operating pH Range.....	2-9
Surface Area.....	120 m ² /g

Get Started

Additional resources are available for helping you implement Ascentis Express HPLC Columns into your laboratory.

For product information,webinars, ordering and real time availability information, visit
sigma-aldrich.com/express

Our technical service staff is ready to answer questions.
EU: eurtechserv@sial.com
US: techserv@sial.com

A technical seminar can be arranged on-site or via the web.
Request viaseminars@sial.com

Ascentis Express 2.0 µm Fused-Core UHPLC Columns 訂購資訊(含保護管)

Particle Size	ID	Length	C18	F5
2.0 µm	2.1 mm	2 cm	50805-U	50857-U
2.0 µm	2.1 mm	3 cm	50809-U	50858-U
2.0 µm	2.1 mm	5 cm	50811-U	50859-U
2.0 µm	2.1 mm	7.5 cm	50812-U	50861-U
2.0 µm	2.1 mm	10 cm	50813-U	50863-U
2.0 µm	2.1 mm	15 cm	50814-U	50867-U
2.0 µm	3.0 mm	3 cm	50815-U	50869-U
2.0 µm	3.0 mm	5 cm	50816-U	50871-U
2.0 µm	3.0 mm	7.5 cm	50817-U	50876-U
2.0 µm	3.0 mm	10 cm	50819-U	50879-U
2.0 µm	3.0 mm	15 cm	50821-U	50881-U
Ascentis Express Guard Cartridges, Package of 3				
2.0 µm	2.1 mm	0.5 cm	50822-U	50884-U
2.0 µm	3.0 mm	0.5 cm	50823-U	50886-U

Guard Cartridge Holder 保護管外管組(需搭配內管)

Description	Pkg. Size	Cat. No.
Universal Guard Holder		
Holder w/EXP Titanium Hybrid Ferrule (cartridge not included)	1	53500-U

優惠品項:

SU-50811 -U Ascentis® Express C18, 2 µm UHPLC Column L × I.D. 5 cm × 2.1 mm

現貨特價 18900-(你發久，原價 23,000-)

如需其他品項價格請逕洽詢友和

如需更多產品資訊問題詢問

請聯絡友和產品行銷部，將有專員為您服務

DM10406004



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