



ThermoFisher
SCIENTIFIC

提供您全方位的分析實驗耗材

分析級UHPLC 和 HPLC 管柱

LINE Official Account

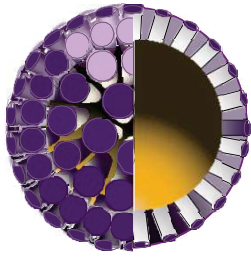
**好友
募集中**

@analab

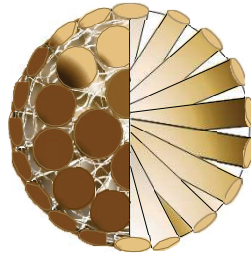
您可在LINE獲得優惠券囉!



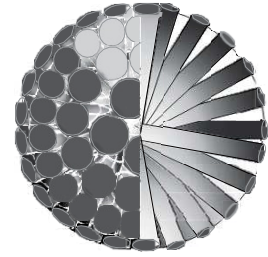
UHPLC & HPLC 管柱產品系列列表



實心核顆粒
Sub-2µm 管柱能在LC系統中
提供高解析度。



最高等級的
解析度
分析效率
靈敏度



面對極複雜的樣品也能
有優秀的解析能力。

Accucore 產品系列

General-purpose RP	
RP-MS	C18
C8	aQ
Polar Premium	Biphenyl
Phenyl-Hexyl	Phenyl-X
PFP	C30
Vanquish C18+	150-C4
150 C18	
HILIC	
HILIC	
150-Amide-HILIC	
Urea-HILIC	

Hypersil GOLD 產品系列

General-purpose RP	
Hypersil GOLD	
Hypersil GOLD C8	
Hypersil GOLD C4	
Hypersil GOLD Phenyl	
Hypersil GOLD aQ	
Hypersil GOLD PFP	
Hypersil GOLD CN	
Ion Exchange	HILIC
AX	HILIC
Amino	Silica
SAX	

Acclaim 產品系列

General-purpose RP	
120 C18	
300 C18	
120 C8	
PolarAdvantage	
PolarAdvantage II	
Phenyl-1	
C30	
Mixed-Mode	
Mixed-Mode WAX-1	
Mixed-Mode WCX-1	
Mixed-Mode HILIC-1	
Trinity P1	
Trinity P2	
Application-specific	
Trinity Q1	
Organic Acid	
Surfactant Plus	
AmG C18	
Explosives E2	
Carbamate	
Carbonyl	
HILIC	
Mixed-Mode HILIC-1	
HILIC-10	

快速選擇指南

		C18固定相	極性固定相	芳香固定相	親水性固定相
樣品複雜程度 (低 → 中)	全孔性	Hypersil GOLD columns	Hypersil GOLD aQ columns	Hypersil GOLD PFP columns	Hypersil GOLD HILIC columns
	實心核	Accucore RP-MS columns	Accucore aQ columns	Accucore Phenyl-Hexyl columns	Accucore HILIC columns
樣品複雜程度 (高)	全孔性	Acclaim 120 C18 columns	Acclaim Polar Advantage II columns	Acclaim Phenyl-1 columns	Acclaim HILIC-10 columns
	實心核	Accucore C18 columns	Accucore Polar Premium columns	Accucore Biphenyl columns	Accucore Amide-HILIC columns

Gain more resolution with Acclaim columns

在分析鹼性化合物時分不開？

✓ Thermo Scientific™ Acclaim™ Polar Advantage II (PA2) column

在分離相對離子(counter ion-製藥領域)遇到困難嗎？

✓ Thermo Scientific™ Acclaim™ Trinity™ P1 column

需要分析介面活性劑？

✓ Thermo Scientific™ Acclaim™ Surfactant Plus column

兩支樣品峰太過相近分不開？

✓ Thermo Scientific™ Acclaim™ Mixed-mode columns

Broad range of HPLC and UHPLC columns for challenging separation needs

- **General-purpose RP**

使用高表面積管柱來分析複雜樣品 (C18, etc)

- **Mixed-mode**

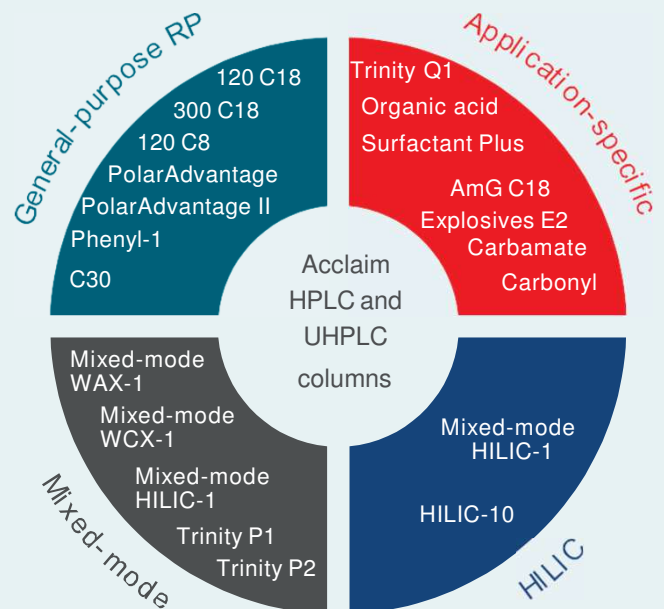
可在一支管柱中分析含有多種不同滯留類型的樣品

- **Application-specific**

特殊應用的獨特管柱：表面活性劑，有機酸，農藥，氨基糖苷，爆炸性殘留物。

- **HILIC**

適合分離極性化合物



Acclaim™ 管柱選擇指南

Please refer to www.thermofisher.com/LCcolumns for more information

		Acclaim 120 C18	Acclaim 120 C8	Acclaim 300 C18	Acclaim Polar Advantage (PA)	Acclaim Polar Advantage II (PA2)	Acclaim C30	Acclaim Phenyl-1	Acclaim Trinity P1	Acclaim Trinity P2	Acclaim Mixed-Mode WAX-1	Acclaim Mixed-Mode WCX-1	Acclaim Mixed-Mode HILIC-1	Acclaim HILIC-10	Acclaim SEC-300 & 1000	Acclaim Organic Acid	Acclaim Surfactant/Plus	Acclaim Carbonyl	Acclaim Explosives E2	Acclaim Carbamate	Acclaim AmG	Example Applications			
		Mixed-Mode										HILIC	SEC	Application-Specific											
General Applications	Neutral Molecules	High hydrophobicity																					Fat-soluble vitamins, PAHs, glycerides		
		Intermediate hydrophobicity																						Steroids, phthalates, phenols, polyphenols	
		Low hydrophobicity																						Acetaminophen, urea, polyethylene glycols	
	Anionic Molecules	High hydrophobicity																						NSAIDs, phospholipids	
		Intermediate hydrophobicity																						Aspirin, alkyl acids, aromatic acids	
		Low hydrophobicity																						Small organic acids, e.g. acetic acids	
	Cationic Molecules	High hydrophobicity																						Antidepressants	
		Intermediate hydrophobicity																						Beta blockers, benzidines, alkaloids	
		Low hydrophobicity																						Antacids, pseudoephedrine, biogenic amines	
	Amphoteric/Zwitterionic Molecules	High hydrophobicity																						Phospholipids	
		Intermediate hydrophobicity																						Amphoteric surfactants, peptides	
		Low hydrophobicity																						Amino acids, aspartame, small peptides	
	Mixtures of Neutral, Anionic, Cationic Molecules	Neutrals and acids																						Artificial sweeteners	
		Neutrals and bases																						Cough syrup	
Acids and bases																							Drug active ingredient with counterion		
Neutrals, acids, and bases																							Combination pain relievers, PEG		
Surfactants	Anionic																						SDS, LAS, laureth sulfates		
	Cationic																						Quats, benzylalkonium in medicines		
	Nonionic																						Triton X-100 in washing tank		
	Amphoteric																						Cocoamidopropyl betaine		
	Hydrotropes																						Xylenesulfonates in handsoap		
	Surfactant blends																						Nonionic and anionic surfactants		
Organic Acids	Hydrophobic																						Aromatic acids, fatty acids		
	Hydrophilic																						Organic acids in soft drinks, pharmaceuticals		
Specific Applications	Environmental Contaminants	Explosives																					U.S. EPA Method 8330, 8330B		
		Carbonyl compounds																						U.S. EPA 1667,555,OT-11;CACARB 1004	
		Phenols																						Compounds regulated by U.S. EPA 604	
		Chlorinated/Phenoxy acids																						U.S. EPA Method 555	
		Triazines																						Compounds regulated by U.S. EPA 619	
		Nitrosamines																							Compounds regulated by U.S. EPA 8270
		Benzidines																							U.S. EPA Method 605
		Perfluorinated acids																							Dionex TN73
		Microcystins																							ISO 20179
		Isocyanates																							U.S. OSHA Methods 42, 47
Vitamins	Water-soluble vitamins																						Vitamins in dietary supplements		
	Fat-soluble vitamins																						Vitamin pills		
Pharmaceutical Counterions	Anions																						Inorganic anions and organic acids in drugs		
	Cations																						Inorganic cations and organic bases in drugs		
	Mixture of Anions and Cations																						Screening of pharmaceutical counterions		
	API and counterions																						Naproxen Na ⁺ salt, metformin Cl ⁻ salt, etc.		
Industry	Water soluble Polymers	Hydrophilic cations																					Antibiotics, aminoglycosides		
																							PEG, PVP, PAA, PEI,		