

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**

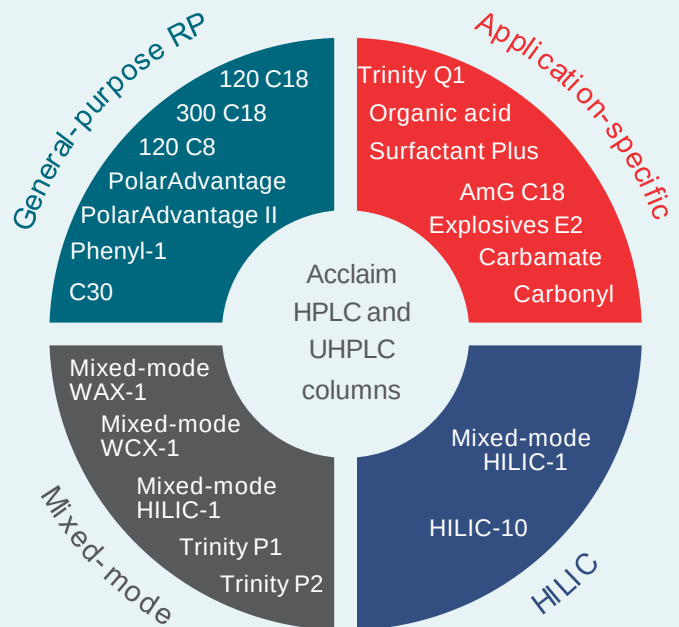
可在一支管柱中分析含有多種不同滯留類型的樣品

- 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

											Mixed-Mode		HILIC	SEC	Application-Specific					Example Applications		
			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
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
Specific Applications	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
	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
		Carbamate insecticides																				U.S. EPA Method 531.2
	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.
		Hydrophilic cations																				Antibiotics, aminoglycosides
	Industry	Water soluble Polymers																				PEG, PVP, PAA, PEI,

Hypersil GOLD columns – the right place to start

還不確定從哪個固定相開始嗎？

✓ Thermo Scientific™ Hypersil™ GOLD columns

使用C18管柱時看不到期望的層析峰？

✓ Thermo Scientific™ Hypersil™ HILIC columns

需要在移動相梯度條件中使用到100%的純水嗎？

✓ Thermo Scientific™ Hypersil™ aQ columns

使用C18管柱時的滯留時間太久？

✓ Thermo Scientific™ Hypersil™ C8 columns

Complete range of columns to start your chromatographic separation

Hypersil GOLD
Hypersil GOLD C8
Hypersil GOLD C4

在較低疏水性的情況下，使用傳統逆向管柱(C8,C4) 會較合適

Hypersil GOLD aQ

針對鹼性化合物的分析，在逆相管柱中使用水相會有很好的分離效果

Hypersil Phenyl
Hypersil PFP

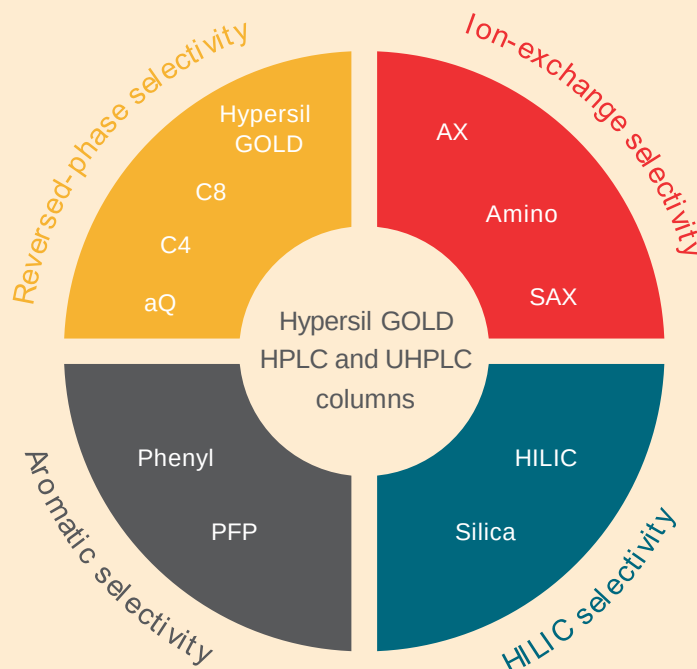
芳香族化合物在此類管柱中皆有很好的分離效果

Hypersil AX
Hypersil SAX
Hypersil Amino

IEC適用於離子化合物

Hypersil HILIC
Hypersil Silica

親水性管柱對極性化合物有很好的分離效果跟滯留能力



歡慶立行代理滿25週年之感恩回饋活動



立行科技銷售 Thermo column 及耗材邁入第 25 年，為感謝您的支持及鼓勵，特此提供 **最熱銷三款 C18 column 感恩回饋價**，難得機會，數量有限，售完為止，敬請把握！

產品名稱	規格	建議售價 (含稅)	優惠促銷價 (未稅)
Hypersil GOLD C18 Columns	250x4.6mmID 5μm	NT 18,700	NT 13,000
Hypersil BDS C18 Columns	250x4.6mmID 5μm	NT 15,000	NT 10,300
Hypersil ODS C18 Columns	250x4.6mmID 5μm	NT 14,300	NT 11,000

*促銷期限：即日起至 111.06.30 (數量有限，售完即活動結束)

* 以上 250x4.6mmID 5μm 規格為原廠回饋價。

※Hypercab 管柱是由 100%石墨烯製成，適用於高極性物質分析(例如：農藥)！！

欲知詳情請來電 **02-2776-6931**。

