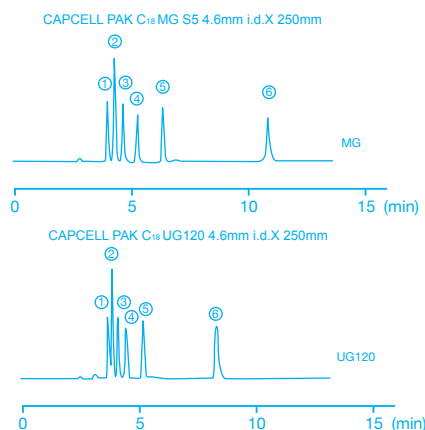


CAPCELL PAK C₁₈ MG

MG stands for Miracle Grade. The enhancement of hydrophobicity had previously been considered to conflict with the enhancement of surface polarity. This miraculous packing material, however, achieved an exquisite balance through the fine control of polymer coating and alkyl group introduction.

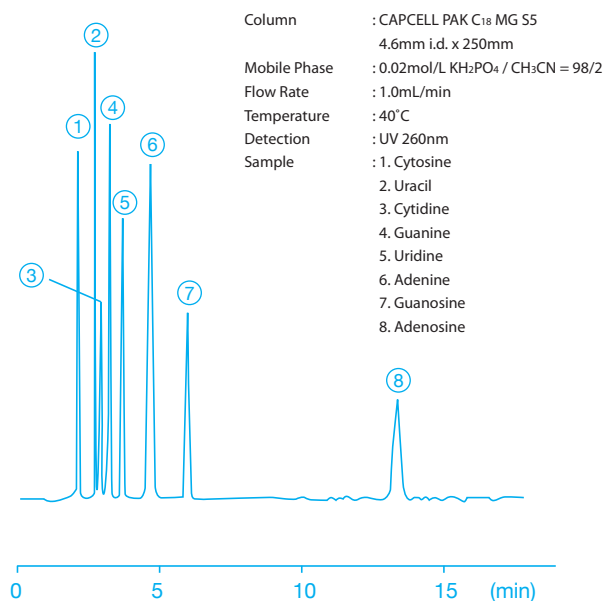
A wide range of compounds (acidic, neutral, and basic compounds, low-polarity to high-polarity compounds, and others) can be efficiently separated. This column is the optimum "first choice", being free of specific selectivity, easy-to-use, available in the pH range 2-10, and extremely durable.

Organic acids

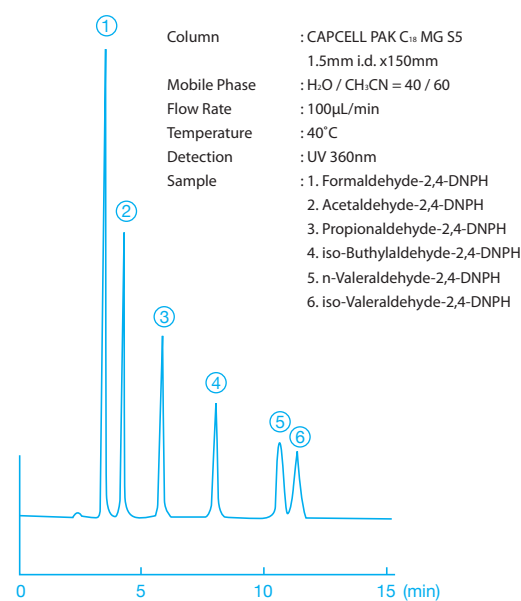


Column	: 4.6mm i.d. x 250mm
Mobile Phase	: 0.1vol% H ₃ PO ₄ / CH ₃ CN = 97.5 / 2.5
Flow Rate	: 1.0mL/min
Temperature	: 40°C
Detection	: UV 210nm
Sample	: 1. Malonic acid 2. Lactic acid 3. Acetic acid 4. Citric acid 5. Succinic acid 6. Propionic acid

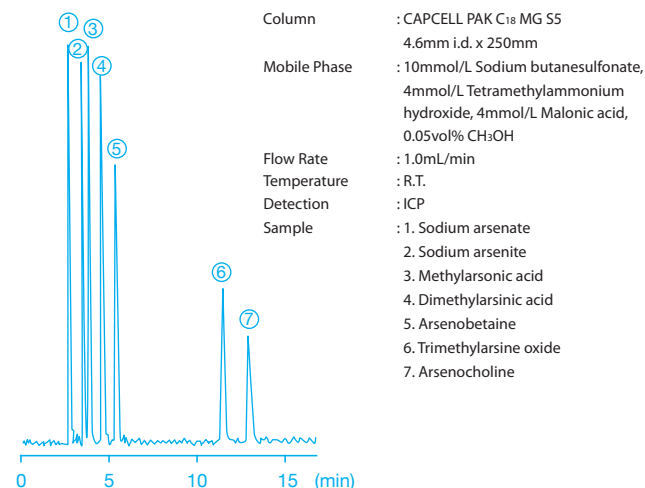
Nucleic acid bases, Nucleosides



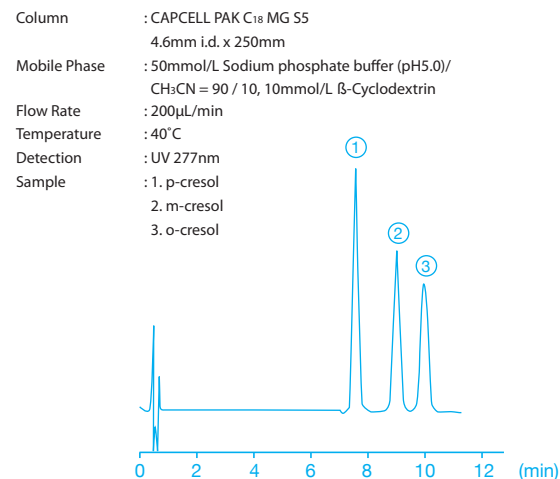
DNPH-aldehydes



Analysis of Arsenic Compounds by LC/ICP



Cresols



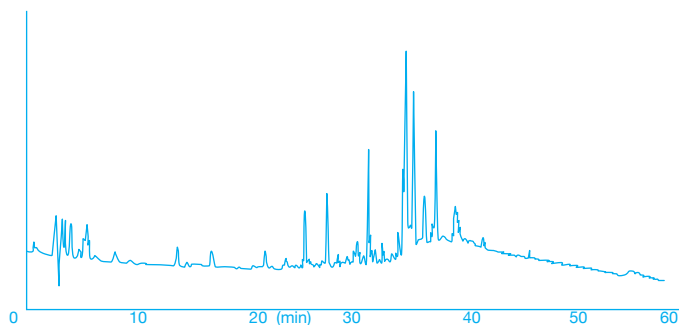
Capillary Columns

The MG S5 and S3 are now available in 0.5mm and 0.3mm i.d. !!

The MG phase is now available in capillary columns to meet the highest sensitivity and resolution, demanded typically in the field of proteomics.

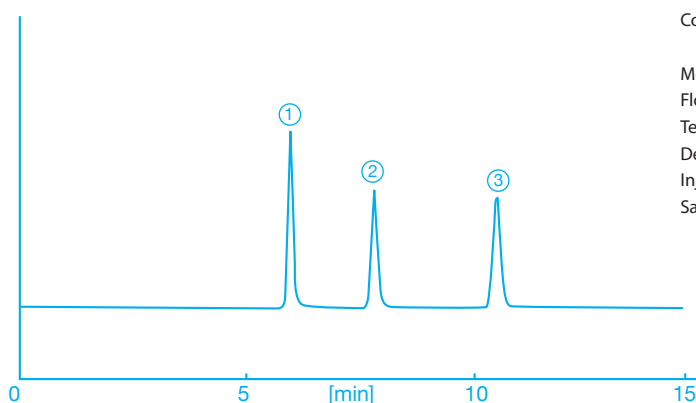
At 150mm length, S5 (5 μ m) and S3 (3 μ m) offer NTP (number of theoretical plates) of over 10,000 and 14,000 respectively.

Peptide Mapping with high Resolution



HPLC Conditions
 Column : CAPCELL PAK C₁₈ MG S3 0.3mm i.d. x 150mm
 Mobile phase : A: 0.05vol% TFA, H₂O
 B: 0.05vol% TFA, CH₃CN
 B: 10%(0min) → 50%(45min) → 50%(60min)
 Flow rate : 5 μ L/min
 Temperature : RT
 Detection : UV 210 nm
 Injection : 60nL
 Sample : Tryptic digest of casein

High NTP and Excellent Peak Symmetry



Column : CAPCELL PAK C₁₈ MGS3
 0.3mm i.d. x 150mm
Mobile phase : H₂O / CH₃CN= 25 / 75(v/v)
Flow rate : 5 μ L/min
Temperature : RT
Detection : UV 254nm
Injection : 60nL
Sample : 1. Ethyl benzene
 2. n-Propyl benzene
 3. n-Butyl benzene

Column Dimension

phase	type	size	i.d.(mm)	length (mm)
C ₁₈	MG	5 μ m	0.3	150
			0.5	
		3 μ m	0.3	
			0.5	