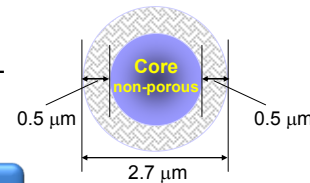




CAPCELL CORE

SHISEIDO

CAPCELL CORE columns are packed with polymer-coated 2.7- μm i.d. core-shell silica, consisting of 1.7- μm i.d. solid core and 0.5- μm -thick porous layer. CAPCELL CORE, available with various functional groups, will provide high-speed and improved separations in ultra-high-pressure LC (UHPLC), as well as in conventional HPLC.



CAPCELL CORE C₁₈



ADME
(Adamantylethyl)

Recommended for the first-choice core-shell phase

(a) CAPCELL CORE C₁₈ S2.7
(4.6 mm i.d. x 100 mm)
10.2 MPa

Rs: 15.2

(b) Fully porous 3-micron C₁₈
(4.6 mm i.d. x 150 mm)
10.9 MPa

Rs: 15.2

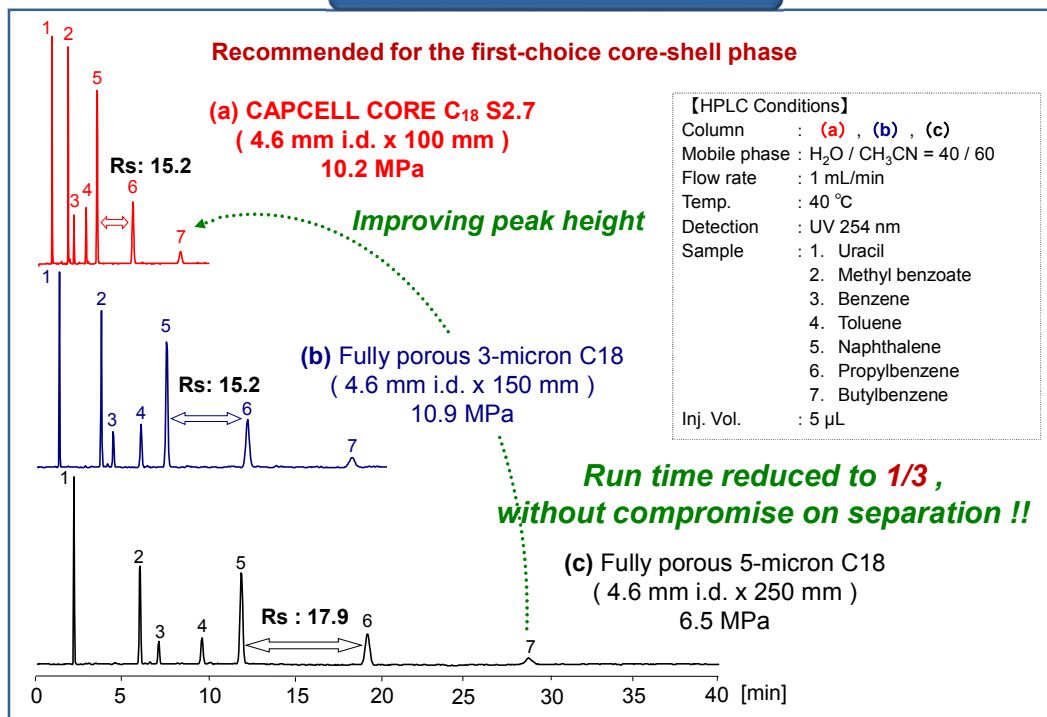
(c) Fully porous 5-micron C₁₈
(4.6 mm i.d. x 250 mm)
6.5 MPa

Rs: 17.9

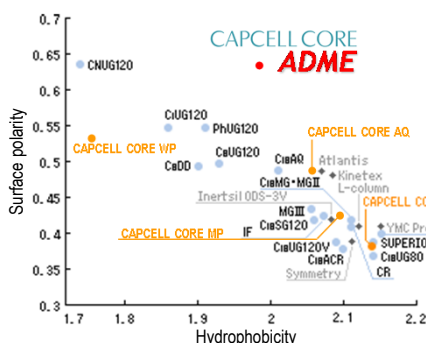
[HPLC Conditions]

Column : (a), (b), (c)
Mobile phase : H₂O / CH₃CN = 40 / 60
Flow rate : 1 mL/min
Temp. : 40 °C
Detection : UV 254 nm
Sample : 1. Uracil
2. Methyl benzoate
3. Benzene
4. Toluene
5. Naphthalene
6. Propylbenzene
7. Butylbenzene
Inj. Vol. : 5 μL

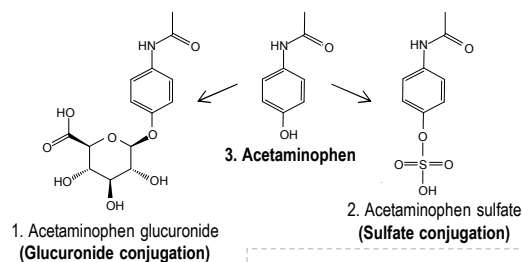
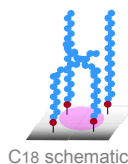
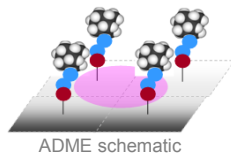
Run time reduced to 1/3,
without compromise on separation !!



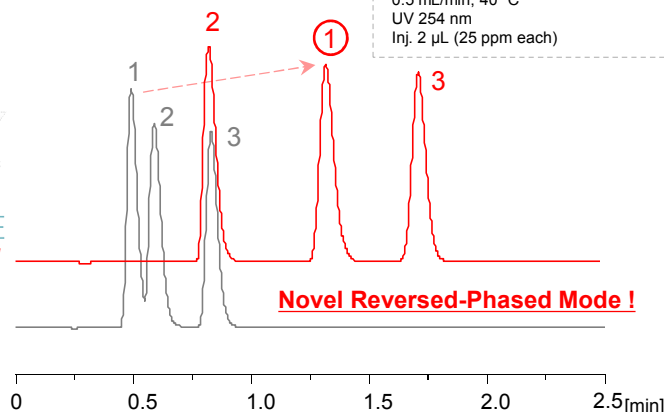
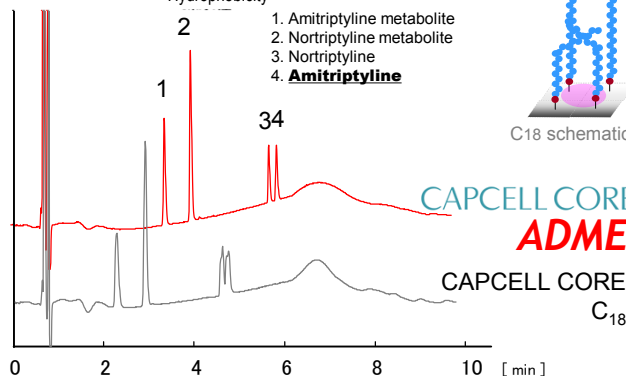
CAPCELL CORE ADME



ADME functional group
gives a larger retention time
for polar compounds with
reversed-phase mode.



2.1 mm i.d. x 50 mm
0.1 vol% HCOOH / CH₃OH = 95 / 5
0.5 mL/min, 40 °C
UV 254 nm
Inj. 2 μL (25 ppm each)



CAPCELL CORE AQ (C₂₇) / PC (HILIC)

[HPLC Conditions]

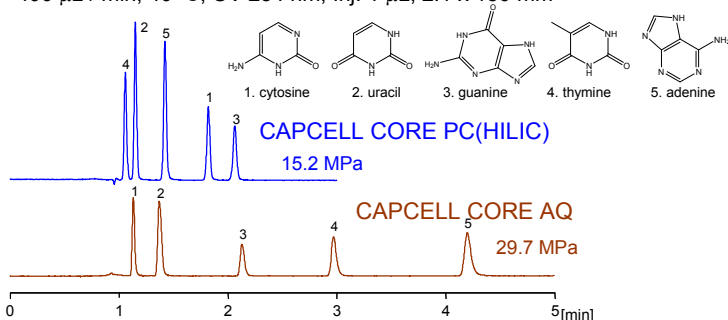
Another choice for hydrophilic compounds!

Mobile phase

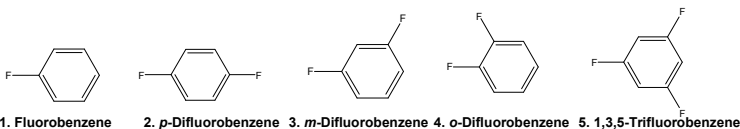
CAPCELL CORE **PC** : 10 mmol/L HCOONH₄ / CH₃CN = 15 / 85

CAPCELL CORE **AQ** : 10 mmol/L HCOONH₄

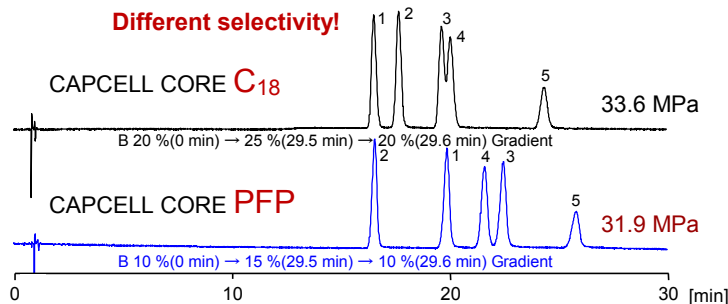
400 μL / min, 40 °C, UV 254 nm, Inj. 1 μL, 2.1 x 150 mm



CAPCELL CORE PFP



Different selectivity!



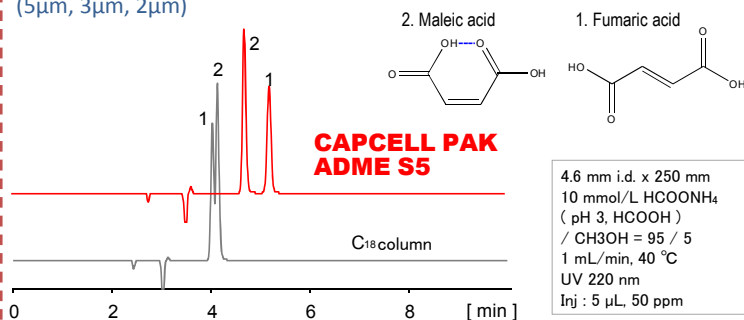
[HPLC Conditions]

Column : CAPCELL CORE C₁₈ S2.7 ; 2.1 mm i.d. x 150 mm
CAPCELL CORE PFP S2.7 ; 2.1 mm i.d. x 150 mm

A) H₂O, B) CH₃CN 400 μL/min, 40 °C, UV 240 nm, Inj. 1 μL (20 ppm each)

CAPCELL PAK ADME

Also, **ADME** has fully porous type as CAPCELL PAK series.
(5μm, 3μm, 2μm)



4.6 mm i.d. x 250 mm
10 mmol/L HCOONH₄
(pH 3, HCOOH)
/ CH₃OH = 95 / 5
1 mL/min, 40 °C
UV 220 nm
Inj : 5 μL, 50 ppm

CAPCELL PAK CAPCELL CORE

SHISEIDO

Frontier Science Business Division

Website : <http://hplc.shiseido.co.jp/e/>

Shiseido HPLC

Search

Over 1000
Application
Library !

Mar. 2017

Type, Functional group	Parts Number	I.D. (mm)	Length (mm)
CAPCELL CORE C18 S2.7 Pore 9nm pH 1.5-10	51097	1.0	50
	51099	1.0	100
	51100	1.0	150
	51101	2.1	20
	51102	2.1	35
	51103	2.1	50
	51104	2.1	75
	51105	2.1	100
	51106	2.1	150
	51107	3.0	20
	51108	3.0	35
	51109	3.0	50
	51110	3.0	75
	51111	3.0	100
	51112	3.0	150
	51114	4.6	50
	51115	4.6	75
	51116	4.6	100
	51117	4.6	150
	CAPCELL CORE PC S2.7 Pore 9nm pH 2-7.5	51121	2.1
51122		2.1	35
51123		2.1	50
51124		2.1	75
51125		2.1	100
51126		2.1	150
51141		2.1	20
CAPCELL CORE PFP S2.7 Pore 9nm pH 2-9	51142	2.1	35
	51143	2.1	50
	51144	2.1	75
	51145	2.1	100
	51146	2.1	150
	51161	2.1	20
CAPCELL CORE AQ S2.7 Pore 16nm pH 2-10	51162	2.1	35
	51163	2.1	50
	51164	2.1	75
	51165	2.1	100
	51166	2.1	150
	51197	1.0	50
CAPCELL CORE ADME S2.7 Pore 9nm pH 2-9	51198	1.0	75
	51199	1.0	100
	51200	1.0	150
	51182	2.1	35
	51183	2.1	50
	51184	2.1	75
	51185	2.1	100
	51186	2.1	150
	51187	2.1	200
	51188	3.0	50
	51189	3.0	75
	51190	3.0	100
	51191	3.0	150
	51193	4.6	50
51195	4.6	100	
CAPCELL PAK ADME 2μm Max : 100MPa	92187	2.1	20
	92188	2.1	50
	92190	2.1	100
	92179	1.0	100
	92181	2.1	20
	92182	2.1	35
	92183	2.1	50
	92184	2.1	75
	92185	2.1	100
	92186	2.1	150
	92178	3.0	50
	92193	4.6	50
	92194	4.6	75
	92195	4.6	100
92196	4.6	150	
92191	4.6	250	
Guard Ctridge (2PCS)	12319	2.0	10G
	12317	4.0	10G
CAPCELL PAK ADME 3μm Pore 10nm pH 2-9	91181	2.1	20
	91182	2.1	35
	91183	2.1	50
	91184	2.1	75
	91185	2.1	100
	91186	2.1	150
	91187	2.1	250
	91193	3.0	250
	91195	4.6	50
	91196	4.6	75
	91197	4.6	100
	91198	4.6	150
	91199	4.6	250
	91175	10	35G
CAPCELL PAK ADME 5μm Pore 10nm pH 2-9	91179	10	250
	91176	20	35G
	91177	20	50
	91180	20	250
	12318	2.0	10G
	12316	4.0	10G
Guard Ctridge (2PCS)	12318	2.0	10G
Cartridge Holder	12415	-	10