Aegispak INNO Column INNO-P Column INNO-Core Column

High Performance Liquid Chromatography Column

Chost Zero Column Solvent Filter



Product Group

Aegispak Columns

High purified silica gel surface was coated with silicone polymer by chemical vapor deposition (CVD), and the functional group was directly bonded from coated silica gel.

(Gas phase reaction synthesis method)

After the resin synthesis, End-capping was performed at high temperature and high pressure to remove the remaining silanol groups. This minimizes the effect of residual silanol groups to the extreme.

This resin is functional group directly bonded to a silicone polymer(-Si-R). There is a slight difference in the separation pattern from ordinary resin (-Si-O-Si-R).

INNO Columns

This resin was synthesized by directly bonding the functional group to the silanol group of refined high purity silica gel. (-Si-0-Si-R) (liquid phase reaction synthesis method)

End -capping was performed 2 times at a high temperature to remove the remaining silanol groups after the resin synthesis. Since all manufacturing processes are carried out in solution, it is possible to bulk production.

INNO-P Columns

This resin was synthesized by directly bonding the functional group to the silanol group of refined high purity silica gel with pore size of 300Å. (-Si-O-Si-R) (liquid phase reaction synthesis method)

End -capping was performed at a high temperature to remove the remaining silanol groups after the resin synthesis.

INNO-Core Columns

This column contains a non-porous solid core in porous silica gel. This column is capable of higher-speed analysis than common silica gel-based columns.

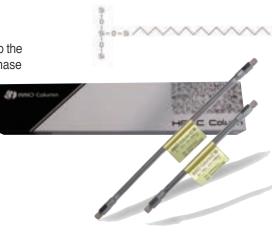
Ghost Zero Column

This Column is a filter that removes unknown peaks or ghost peaks generated in the mobile phase.

This Column is used by connecting between the pump and the autosampler.









Classify	Aegispak Column	INNO Column	INNO-P Column	INNO-Core Column
C18	•	•	•	•
C18-F	•			
C18-FA	•			
C18-L	•			
C18-LA	•			
C18-SB		•		
C18-SSB		٠		
C18-SBA		•		
C18-HC		٠		
C18-NE		٠		
C18-PE				•
C8	•	•	•	•
C8-SB		•		
C8-HC		•		
C8-NE		•		
C4		•	•	
C1		•		
Phenyl		•		
Phenyl-Hexyl				•
PFP				•
NH2		•		
CN		•		
Silica		•		
Diol		•		
SCX		•		
SCX-L		•		
SAX		•		
C18/SCX (1/1)		•		
C18/SCX (5/1)		•		
C18/SAX (1/1)		•		
C18/SAX (5/1)		•		

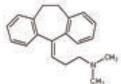
Classify	HPLC	UPLC
Ghost Zero Column	•	•



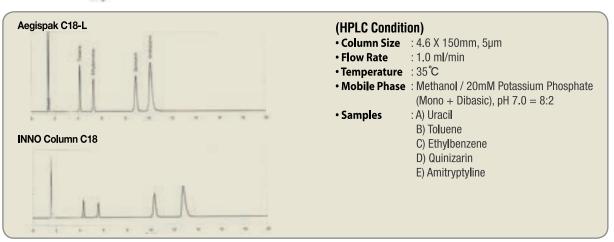


Evaluation of C18 Resin

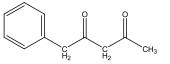
Amitriptyline



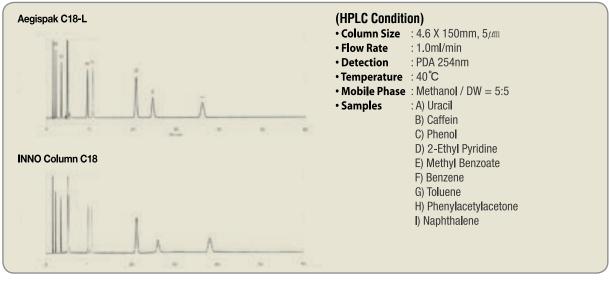
- Amitriptyline is a strong basic compound
- Our columns have less tailing and good shape.



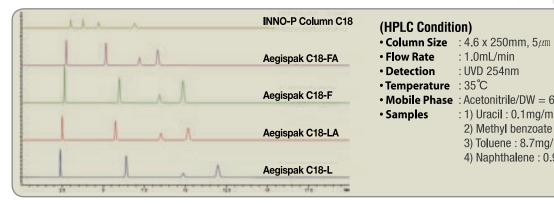
Phenylacetylacetone



- Phenylacetylacetone is a coordination compound.
- Our columns have less tailing and good shape.



Retention Time Character



 INNO Column C18	(HPLC Condition)
INNO Column C18-HC	• Column Size : 4.6 x 250mm, 5µm • Flow Rate : 1.0mL/min
 INNO Column C18-NE	• Detection : UVD 254nm • Temperature : 35°C Mahila Phase : Asstantivila (DW) - C0/40
 INNO Column C18-SB	Mobile Phase : Acetonitrile/DW = 60/40 Samples : 1) Uracil : 0.1mg/mL
 INNO Column C18-SSB	2) Methyl benzoate : 2.2mg/ml 3) Toluene : 8.7mg/mL 4) Norphthelene : 0.0mg/ml
 INNO Column C18-SBA	4) Naphthalene : 0.9mg/mL
	INNO Column C18-HC INNO Column C18-NE INNO Column C18-SB INNO Column C18-SSB

Detection

• Samples

• Temperature ∶ 35 °C

: UVD 254nm

: 1) Uracil : 0.1mg/mL

3) Toluene : 8.7mg/mL 4) Naphthalene : 0.9mg/mL

2) Methyl benzoate : 2.2mg/mL

NNO. Column C

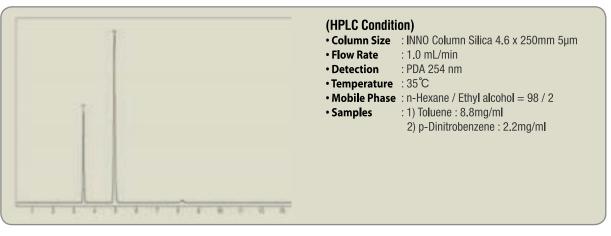
20 No. 11

• Mobile Phase : Acetonitrile/DW = 60/40

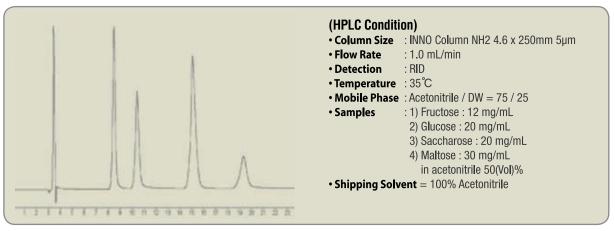
Aegispak C8 INNO Column C8 INNO Column C8-HC INNO Column C8-SB INNO Column C8-NE	(HPLC Condition) • Column Size : 4.6 X 150mm, 5µm • Flow Rate : 1.0 mL/min • Detection : PDA 254 nm • Temperature : 35 °C • Mobile Phase : Acetonitrile / DW = 60 / 40 • Samples : 1) Uracil : 0.1 mg/mL 2) Methyl benzoate : 2.2 mg/mL 3) Toluene : 8.7 mg/mL 4) Naphthalene : 0.9 mg/mL
INNO-P Column C18 INNO-P Column C8 INNO-P Column C4	(HPLC Condition) • Column Size : 4.6 X 250mm, 5µm • Flow Rate : 1.0 mL/min • Detection : PDA 254 nm • Temperature : 35°C • Mobile Phase : Acetonitrile / DW = 58 / 42 • Samples : 1) Uracil : 0.015 mg/mL 2) Phenol : 0.7 mg/mL 3) N,N-Dimethyl-m-Toluamide : 0.6 mg/mL 4) Toluene : 4 mg/mL



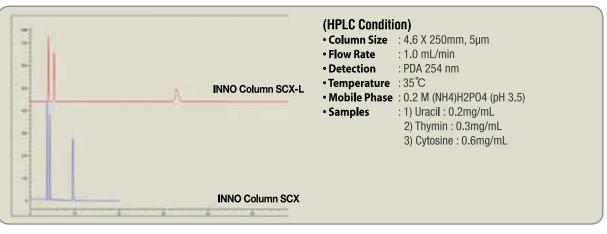
INNO Column Silica 100Å



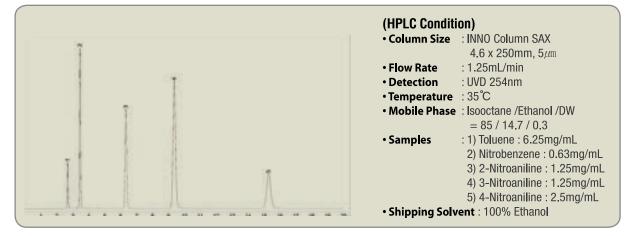
INNO Column NH2



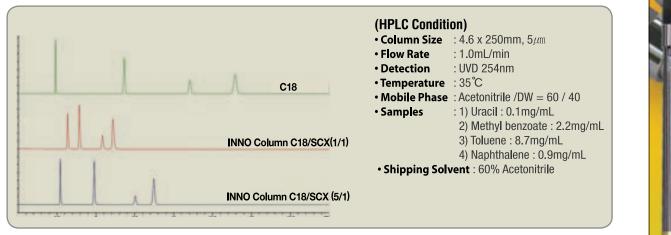
INNO Coulmn SCX / INNO Coulmn SCX-L



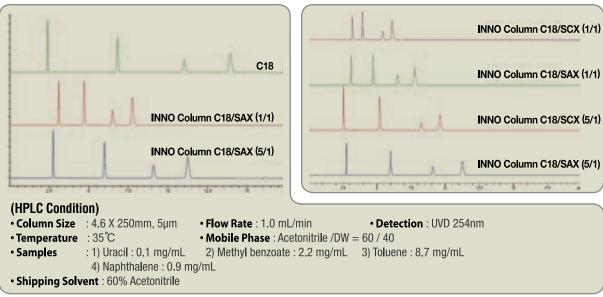
INNO Column SAX



INNO Column C18/SCX

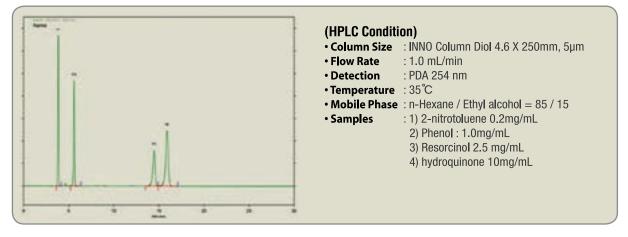


INNO Column C18/SAX

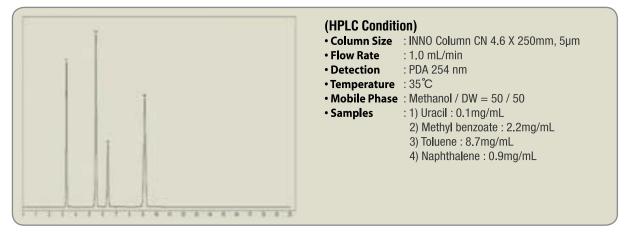




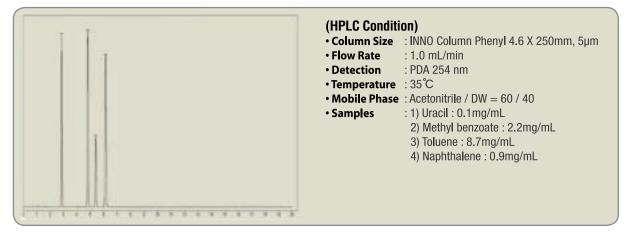
INNO Column Diol

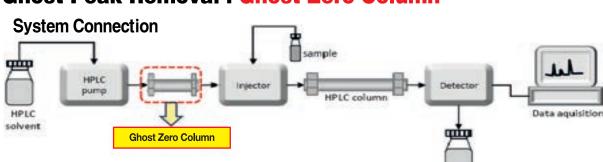


INNO Column CN



INNO Column Phenyl



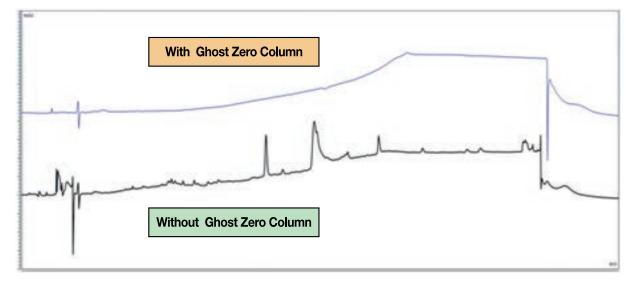


Naste

Ghost Peak Removal : Ghost Zero Column

Application and Results

Mobile Phase A	Ultra-pure water	Time(min)	Mobile Phase A (%)	Mobile Phase B (%)
Mobile Phase B	Acetonitrile	0	90	10
Flow Rate	1.0 mL/min	20	10	90
Temperature	40 °C	30	10	90
Detector	210 nm	30.1	90	10
Injection Volume	10 µL	38	90	10
Sample	Ultra-pure water			
Column	INNO Column C18 5um 4.6 * 250mm			



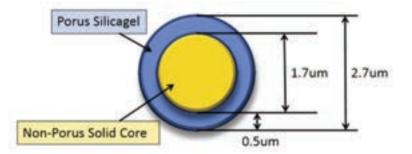
Product Information

Instrument	Product Name	Column size	Product Number
HPLC	Ghost Zero Column	4.6 x 50mm	GZ04605
UPLC	Ghost Zero Column-U	2.1 x 30mm	GZ02103-U
UPLC	Ghost Zero Column-U	2.1 x 50mm	GZ02105-U

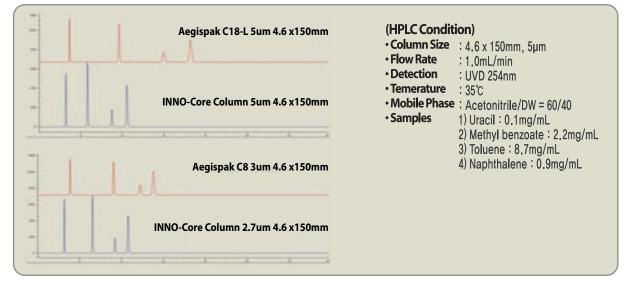


HPLC Column : INNO-Core Columns

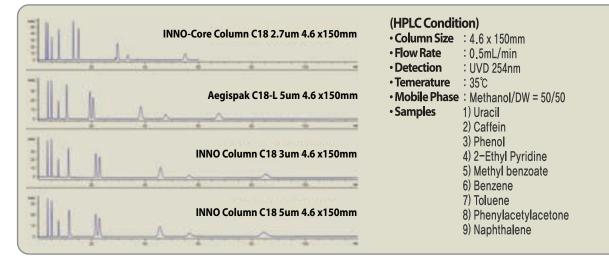
Solid Core Technologies



Fast Analysis



Retention Time Character of C18 Columns



HPLC Column : INNO-Core Columns

Specifications

Column	Particle Size (µm)	Pore Size (Å)	Surface Area (m'/g)	C (%)	End Capping	pH Range	USP
INNO-Core Column C18	2.7, 5	100	115	7	0	2.0~8.5	L1
INNO-Core Column C18-PE	2.7, 5	100	115	5	0	2.0~8.5	L1
INNO-Core Column C8	2.7, 5	100	115	4.5	0	2.0~8.5	L7
INNO-Core Column Phenyl-Hexyl	2.7, 5	100	115	5	0	2.0~8.5	L11
INNO-Core Column PFP	2.7, 5	100	115	5	0	2.0~8.5	L43

Available Particle Size

Column	2.7um	5um
INNO-Core Column C18	•	•
INNO-Core Column C18-PE	•	•
INNO-Core Column C8	•	•
INNO-Core Column Phenyl-Hexyl	•	•
INNO-Core Column PFP	•	•

Available Standard [Horizontal = Inner Diameter (mm) / Vertical = Length (mm)]

Classify	2.1	3.0	4.6
50	•	•	•
100	•	•	•
150	•	•	•
250	•	•	•

Product Numbering Method

Particle Size	Product Name (Abbreviation)		Inner Diameter (mm)	Length (mi	
2.7um = 027 5um = 05	INNO-Core Column C18	NC			
	INNO-Core Column C18-PE	NCPE	2.1mm = 021	50mm = 05	
	INNO-Core Column C8	NC8	3.0mm = 030	100mm = 10 150mm = 15	
	INNO-Core Column Phenyl-Hexyl	NCPH	4.6mm = 046	250mm = 25	
	INNO-Core Column PFP	NCPFP			

Columns	Particle Size (um)	Product Name (Abbreviation)	Inner Diameter (mm)	Length (mm)	Product Number
INNO-Core Column C18 2.7um 4.6 x 150mm	027	NC	046	15	027NC04615
INNO-Core Column C18-PE 2.7um 3.0 x 250mm	027	NCPE	030	25	027NCPE03025
INNO-Core Column C8 5um 4.6 x 150mm	05	NC8	046	15	05NC804615
INNO-Core Column PFP 2.7um 2.1 x 100mm	027	NCPFP	021	10	027NCPFP02110





Characteristics and parameter

< Aegispak Column Series >

Column	Particle Size (µm)	Pore Size (Å)	Surface Area (m²/g)	C(%)	End Capping	pH Range	USP
Aegispak C18-F	3,5	120	320	13	0	1.0~9.0	L1
Aegispak C18-FA	3,5	120	320	11	0	1.0~9.0	L1
Aegispak C18-L	3,5	100	330	14	0	1.0~9.0	L1
Aegispak C18-LA	3,5	100	330	13	0	1.0~9.0	L1
Aegispak C8	3,5	100	330	8	0	1.0~9.0	L7

< INNO Column Series >

Column	Particle Size (µm)	Pore Size (Å)	Surface Area (m²/g)	C(%)	End Capping	pH Range	USP
INNO Column C18	3, 3.5, 5, 10	120	320	18	0	2.0~8.0	L1
INNO Column C18-HC	5	100	430	20	0	2.0~8.0	L1
INNO Column C18-SB	3,5	120	320	17	0	1.0~11.0	L1
INNO Column C18-SSB	5	120	320	18	0	1.0~11.0	L1
INNO Column C18-SBA	3,5	120	320	16	0	1.0~11.0	L1
INNO Column C18-NE	5	120	320	17	Х	2.0~7.5	L1
INNO Column C8	5	120	320	12	0	2.0~8.0	L7
INNO Column C8-HC	5	100	430	12	0	2.0~8.0	L7
INNO Column C8-SB	5	120	320	11	0	1.0~11.0	L7
INNO Column C8-NE	5	120	320	11	Х	2.0~7.5	L7
INNO Column C4	5	120	320	8	0	2.0~8.0	L26
INNO Column C1	5	120	320	3	Х	2.0~8.0	L13
INNO Column Silica	3, 5, 10	100,120	320	-	Х	2.0~8.0	L3
INNO Column Diol	5	120	320	-	Х	2.0~8.0	L20
INNO Column NH2	3, 5, 10	120	320	6	Х	2.0~8.0	L8
INNO Column CN	5, 10	120	320	8	0	2.0~8.0	L10
INNO Column Phenyl	5	120	320	11	0	2.0~8.0	L11
INNO Column SCX	5	120	320	6	0	2.0~8.0	L9
INNO Column SCX-L	5	100	320	5	0	2.0~8.0	L9
INNO Column SAX	5	120	320	5	0	2.0~8.0	L14

< INNO-P Column Series >

Column	Particle Size (µm)	Pore Size (Å)	Surface Area (m²/g)	C(%)	End Capping	pH Range	USP
INNO-P Column C18	5	300	110	8	0	1.0~9.0	L1
INNO-P Column C8	5	300	110	5	0	1.0~9.0	L7
INNO-P Column C4	5	300	110	3	0	1.0~9.0	L26

Column	Particle Size (µm)	Pore Size (Å)	Surface Area (m²/g)	C(%)	End Capping	pH Range	USP
INNO Column C18/SCX (1/1)	5	120	320	12	0	2.0~8.0	L##
INNO Column C18/SCX (5/1)	5	120	320	15	0	2.0~8.0	L##
INNO Column C18/SAX (1/1)	5	120	320	13	0	2.0~8.0	L##
INNO Column C18/SAX (5/1)	5	120	320	16	0	2.0~8.0	L##

< INNO-Core Column Series >

Column	Particle Size (µm)	Pore Size (Å)	Surface Area (m²/g)	C(%)	End Capping	pH Range	USP
INNO-Core Column C18	2.7, 5	100	115	7	0	2.0~8.5	L1
INNO-Core Column C18-PE	2.7, 5	100	115	5	0	2.0~8.5	L1
INNO-Core Column C8	2.7, 5	100	115	4.5	0	2.0~8.5	L7
INNO-Core Column Phenyl-Hexyl	2.7, 5	100	115	5	0	2.0~8.5	L11
INNO-Core Column PFP	2.7, 5	100	115	5	0	2.0~8.5	L43

< Brand Meaning & Model Meaning >

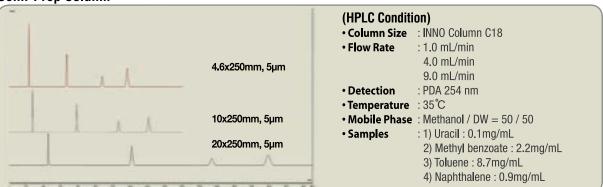
Brand Name	Brand Meaning	Brand Description				
Aegispak	Aegis (Shield) + Pak (Column)	Column capable of analyzing acidic, neutral and basic substances				
INNO Column	INNO (Innovation)	Separation Revolution Column				
INNO-P Column	P (Peptide)	Columns of Pore size 300Å				
INNO-Core Column	C (Core shell)	Columns of Solid Core				
Ghost Zero Column	Ghost (Peak) + Zero (No exist)	Solvent filter to remove ghosts or unknown peaks				

Model Name	Model Meaning	Model Description
L	Late	Column that elutes later than the F column
F	Fast	Column that elute faster than L column
FA	Acid	F column treated with strong acid for 6 days
LA	Acid	L column treated with strong acid for 6 days
SBA	Acid	SB column treated with strong acid for 6 days
HC	High Carbon	Columns with maximal binding of C18 or C8
SB	Strong Base	Column with enhanced alkali resistance
SSB	Super Strong Base	Column with more enhanced alkali resistance
NE	No End capping	Column without end capping
PE	Polar Embeded	Column with polar embeded in the C18
PFP	PentaFluoroPhenyl	Column with Pentafluorophenyl group
SAX	Strong Anion eXchange	Strong anion exchange column
SCX	Strong Cation eXchange	Strong cation exchange column
C18/SAX	•	Column with mixed C18 resin and SAX resin
C18/SCX	•	Column with mixed C18 resin and SCX resin

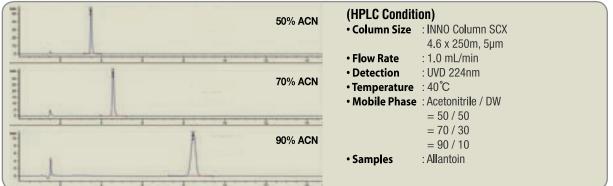




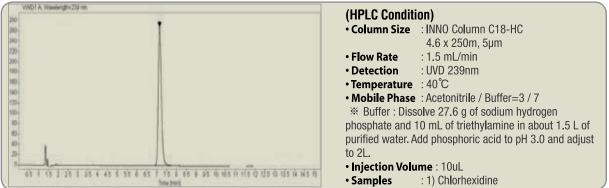
Semi-Prep Column



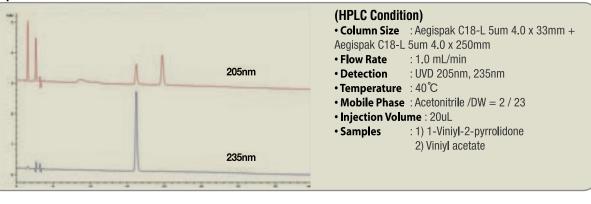
Allantoin



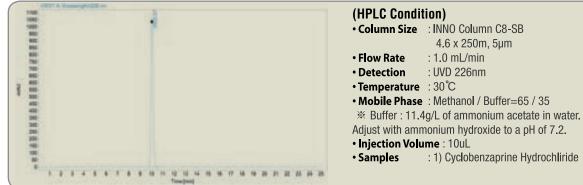
Chlorhexidine



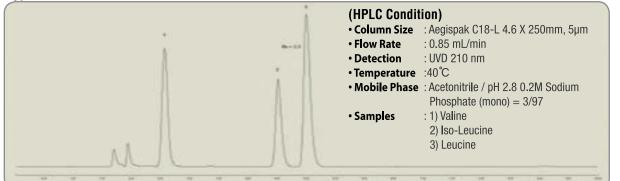




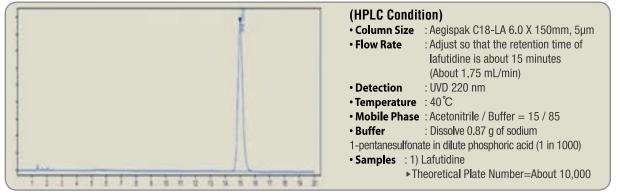
Cyclobenzaprine Hydrochloride Tablets - USP



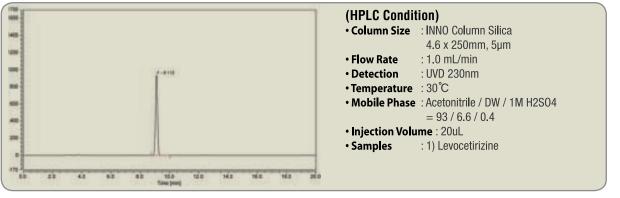
Hypoalbuminemia



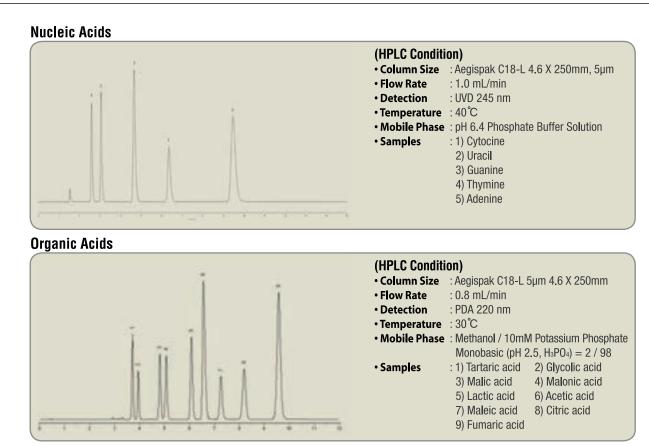
Lafutidine – JP Method



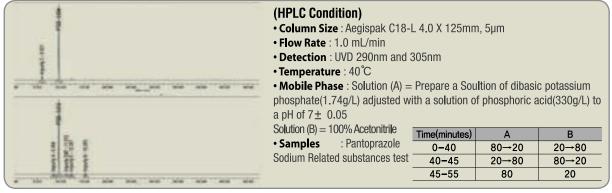
Levocetirizine - EP



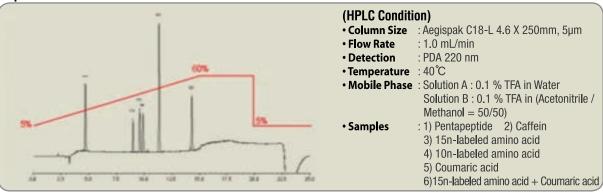




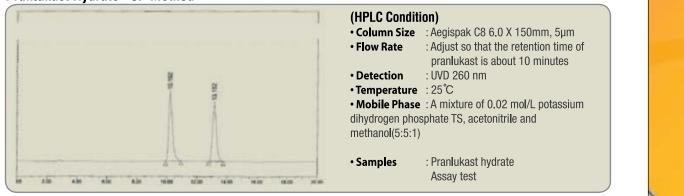
Pantoprazole Sodium – USP Method



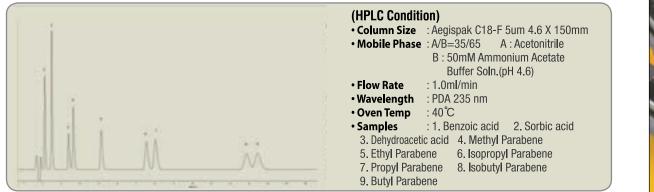
Peptide



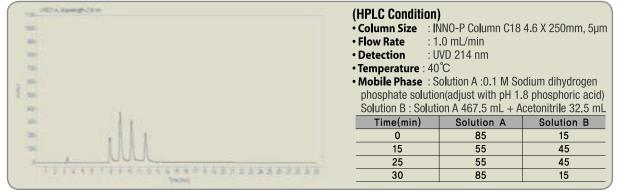




Preservatives



Protamine Sulfate - USP Method

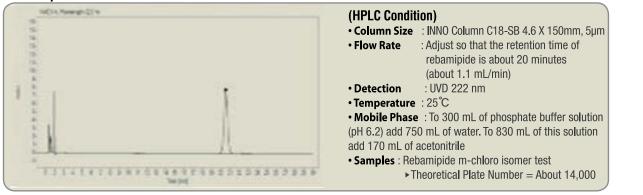


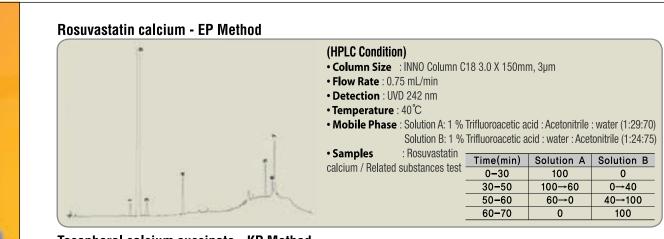
NNO Column C18

20

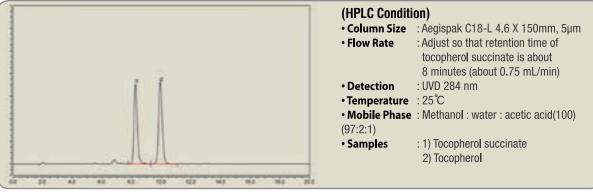
23

Rebamipide - JP Method

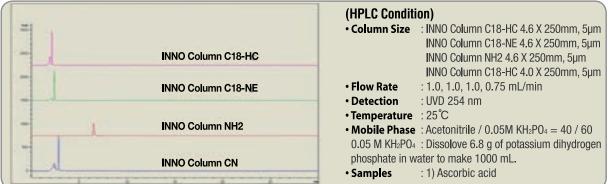




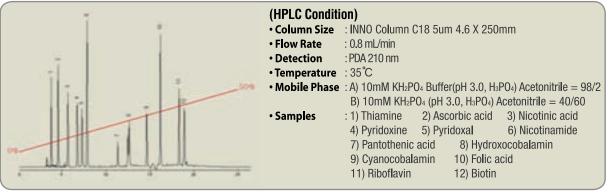
Tocopherol calcium succinate - KP Method



Vitamin C (Ascorbic acid)







Product List

Available particle size

Available Particle Siz	ze	2.7µm	3µm	3.5µm	5µm	10µm(100 Å)	10µm(120 Å
Aegispak C18-F	AF		•		•		
Aegispak C18-FA	AFA		•		•		
Aegispak C18-L	AL		•		•		
Aegispak C18-LA	ALA		•		•		
Aegispak C8	A8		•		•		
INNO Column C18	N		•	•	•	•	•
INNO Column C18-HC	NHC				•		
INNO Column C18-SB	NSB		•		•		
INNO Column C18-SSB	NSSB				•		
INNO Column C18-SBA	NSBA				•		
INNO Column C18-NE	NE		٠		•		
INNO Column C8	N8				•		
INNO Column C8-HC	N8HC				•		
INNO Column C8-SB	N8SB				•		
INNO Column C8-NE	N8E				•		
INNO Column C4	N4				٠		
INNO Column C1	N1				•		
INNO Column Phenyl	PH				٠		
INNO Column Silica	S		•		•	•	•
INNO Column Diol	DL				•		
INNO Column NH2	NH		•		•		•
INNO Column CN	CN				•		•
INNO Column SCX	SCX				•		
INNO Column SCX-L	SCX-L				•		
INNO Column SAX	SAX				•		
INNO Column C18/SCX (1/1)	N1SCX				•		
INNO Column C18/SCX (5/1)	N5SCX				•		
INNO Column C18/SAX (1/1)	N1SAX				•		
INNO Column C18/SAX (5/1)	N5SAX				•		
INNO-P Column C18	NP				•		
INNO-P Column C8	NP8				•		
INNO-P Column C4	NP4				•		
INNO-Core Column C18	NC	•			•		
INNO-Core Column C18-PE	NCPE	•			•		
INNO-Core Column C8	NC8	•			٠		
INNO-Core Column Phenyl-Hexyl	NCPH	•			•		
INNO-Core Column PFP	NCPFP	•			•		



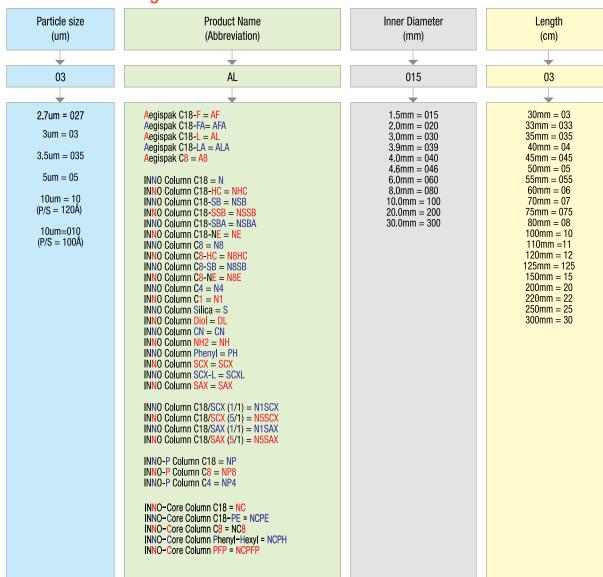


Available Standard (Horizontal = Inner Diameter (mm)/Vertical = Length (mm))

Classify	1.5	2.0	2.1	3.0	3.9	4.0	4.6	6.0	8.0	10	20
30	٠	•		•	•	•	•				
33	•	•		•	•	•	•				
35	•	•		•	•	•	•				
40	•	•		•	•	•	•				
45	•	•		•	•	•	•				
50	•	•	•	•	•	•	•				
55	•	•		•	•	•	•				
60	٠	•		•	•	•	•				
75	•	•		•	•	•	•				
80	•	•		•	•	•	•				
100	•	•	•	•	•	•	•	•	•		
110	•	•		•	•	•	•				
120	•	•		•	•	•	•				
125	•	•		•	•	•	•				
150	•	•	•	•	•	•	•	•	•		
200	٠	•		•	•	•	•	•	•		
220	٠	•		•	•	•	•	•	•		
250	٠	•	•	•	•	•	•	•	•	•	•
300				•	•	•	•	•	•		

 $\ensuremath{\mathbbmm}$ In the available specification, the length can be supplied as you wish.

* Inner diameter 2 1mm is only for INNO-Core Column



Product numbering method

Examples

Columns(um)	Particle Size (µm)	Product Name (Abbreviation)	Inner Diameter(mm)	Length (cm)	Product NO
Aegispak C18-L 5um 3.9 x 150mm	05	AL	039	15	05AL03915
Aegispak C8 5um 4.6 x 250mm	05	A8	046	25	05A804625
INNO Column C18-SB 5um 4.6 x 125mm	05	NSB	046	12.5	05NSB046125
INNO Column CN 5um 4.0 x 250mm	05	CN	040	25	05CN04025
INNO Column NH2 5um 4.6 x 250mm	05	NH	046	25	05NH04625
INNO Column SCX 5um 4.6 x 250mm	05	SCX	046	25	05SCX04625
INNO-P Column C4 5um 4.6 x 250mm	05	NP4	046	25	05NP404625
INNO-Core Column C18 2.7um 4.6 x 150mm	027	NC	046	15	027NC04615





USP L Code

	L Code	Columns
		Aegispak C18-F
		Aegispak C18-FA
		Aegispak C18-L
		Aegispak C18-LA
		INNO Column C18
	Octadecyl silane chemically bonded to porous or non-porous silica or ceramic	INNO Column C18-HC
L1	micro-particles,	INNO Column C18-SB
	1.5 to 10 µm in diameter, or a monolithic rod	INNO Column C18-SSB
		INNO Column C18-SBA
		INNO Column C18-NE
		INNO-P Column C18
		INNO-Core Column C18
		INNO-Core Column C18-PE
1.0	Porous silica particles, 1.5 to 10 μm in diameter,	Aegispak Silica
L3	or a monolithic silica rod.	INNO Column Silica
		Aegispak C8
		INNO Column C8
	Octylsilane chemically bonded to totally or superficially porous silica particles, 1.5 to	INNO Column C8-HC
L7	10 µm in diameter,	INNO Column C8-SB
	or a monolithic silica rod.	INNO Column C8-NE
		INNO-P Column C8
		INNO-Core Column C8
L8	An essentially monomolecular layer of aminopropylsilane chemically bonded to totally porous silica gel support, 1.5 to 10 µm in diameter, or a monolithic silica rod.	INNO Column NH2
	Irregular or spherical, totally porous silica gel having a	INNO Column SCX
L9	chemically bonded, strongly acidic cation-exchange coating, 3 to 10 µm in diameter	INNO Column SCX-L
L10	Nitrile groups chemically bonded to porous silica particles, 1.5 to 10 µm in diameter, or a monolithic silica rod.	INNO Column CN
L11	Phenyl groups chemically bonded to porous silica particles	INNO Column Phenyl
LII	1.5 to 10 μm in diameter, or a monolithic silica rod.	INNO-Core Column Phenyl-Hexyl
L13	Trimethylsilane groups chemically bonded to porous silica or hybrid particles, 1.5 to 10 μm in diameter	INNO Column C1
L14	Silica gel having a chemically bonded, strongly basic quaternary ammonium anionexchange coating, 5 to 10 µm in diameter.	INNO Column SAX
L20	Dihydroxypropane groups chemically bonded to porous silica or hybrid particles, 1.5 to 10 µm in diameter.	INNO Column Diol
L26	Butyl silane chemically bonded to totally porous	INNO Column C4
	silica particles, 1.5 to 10 μm in diameter	INNO-P Column C4
L43	Pentafluorophenyl groups chemically bonded to porous or superficially porous silica particles by a propyl spacer, 1.5 to 10 µm in diameter.	INNO-Core Column PFP
L##	Octadecyl silane chemically bonded to porous silica particles, 1.5 to 10 μ m in diameter and porous silica gel having a chemically bonded, strongly acidic cation-exchange coating, 3 to 10 μ m in diameter. The two resins are mixed 1/1 or 5/1	INNO Column C18/SCX
L##	Octadecyl silane chemically bonded to porous silica particles, 1.5 to 10 μ m in diameter and porous silica gel having a chemically bonded, strongly basic quaternary ammonium anion exchange coating, 3 to 10 μ m in diameter. The two resins are mixed 1/1 or 5/1	INNO Column C18/SAX
L##	This column is a unit that removes unknown or ghost peaks from the mobile phase.	Ghost Zero Column

Correspondence Table

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Youngjin Biochrom	INNO-P	Aegispak C18-FA	Aegispak C18-F Aegispak	Aegispak C18-L INNO Column	INNO Column C18	INNO Column C18-SB / C18-SSB /	INNO Column C18-HC	INNO Column C18-NE	INNO-Core Column C18
			C18-LA	C18-SSB		C18-SBA			
Agilent	ZORBAX 300SB-C18	ZORBAX SB-C18	Zorbax Eclipse C18	Zorbax Eclipse Plus C18					Poroshell 120 C18
AMT									Halo C18
EKA				Kromasil Ethernity C18	Kromasil C18				Kromasil EternityShell C18
GL Science	Inertsil ODS-SP	InertSustain Swift C18	Inertsil ODS-2	Inertsil ODS-3 Inertsil ODS-4 InertSustain C18			Inertsil ODS-P	Inertsil ODS-EP	InertCore Plus C18
Merck	LiChrospher® WP 300 RP-18				Purospher (STAR) RP-18 endcapped		LiChrospher 100 RP-18 endcapped LiChrospher PAH Purospher RP-18 HC	LiChrosorb RP-18	Ascentis® Express C18
Nacalai	Cosmosil C18 AR-300	Cosmosil C18-PAQ	Cosmosil C18-EB	Cosmosil C18 MS-II	Cosmosil C18 AR-II				COSMOCORE C18
Nagel	Nucleosil 300 C18			Nucleosil C18	Nucleodur C18 Gravity Nucleodur C18 Htec		Nucleodur C18 ISIS Nucleosil C18 HD	Nucleosil C18 Nautilus Nucleodur C18 Pyramid	Nucleoshell™ RP−C18
Nomura		Develosil ODS-P	Develosil ODS-UG Develosil ODS-HG	Develosil ODS-MG Develosil XG C18LC	Develosil ODS-SR Develosil XG C18M		Develosil ODS		
OSAKA Soda			Capcellpak C18 UG120	Capcellpak C18 MG Capcellpak C18 AQ					Capcellcore C18
Phenomenex				Gemini C18 Gemini NX C18	Luna C18 (2) Onyx C18 (HD)	EVO C18			Kinetex C18
Supelco	Discovery BIO Wide Pore C18		SUPELCOSIL™ LC-18	SUPELCOSIL™ LC-18-DB	Discovery C18		Discovery HS C18		
Thermo			Hypersil ODS	Hypersil BDS Hypersil Gold C18	Acclaim 120 C18				Accucore RP-MS
Vydac	Vydac 201TP C18 Vydac 218MS C18								
Waters		X-Terra XSelect HSS C18 SB	XTerra Shield RP18 Spherisorb ODS-2	XTerra MS C18 Sunfire C18 X-Bridge C18 XSelect CSH C18	Athlantis C18 Symmetry (Shield) C18 XBridge BEH C18 uBondapak C18	X-Bridge C18		Spherisorb ODS-1	Cortecs Solid Core Column
YMC			YMCpak Hydrosphere C18	YMCpak Pro C18	YMCpak ODS-AQ	YMCpak Triart C18	YMCpak Triart C18		Meteoric Core Column C18

The corresponding columns may behave differently depending on the analysis conditions and the analyte.





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