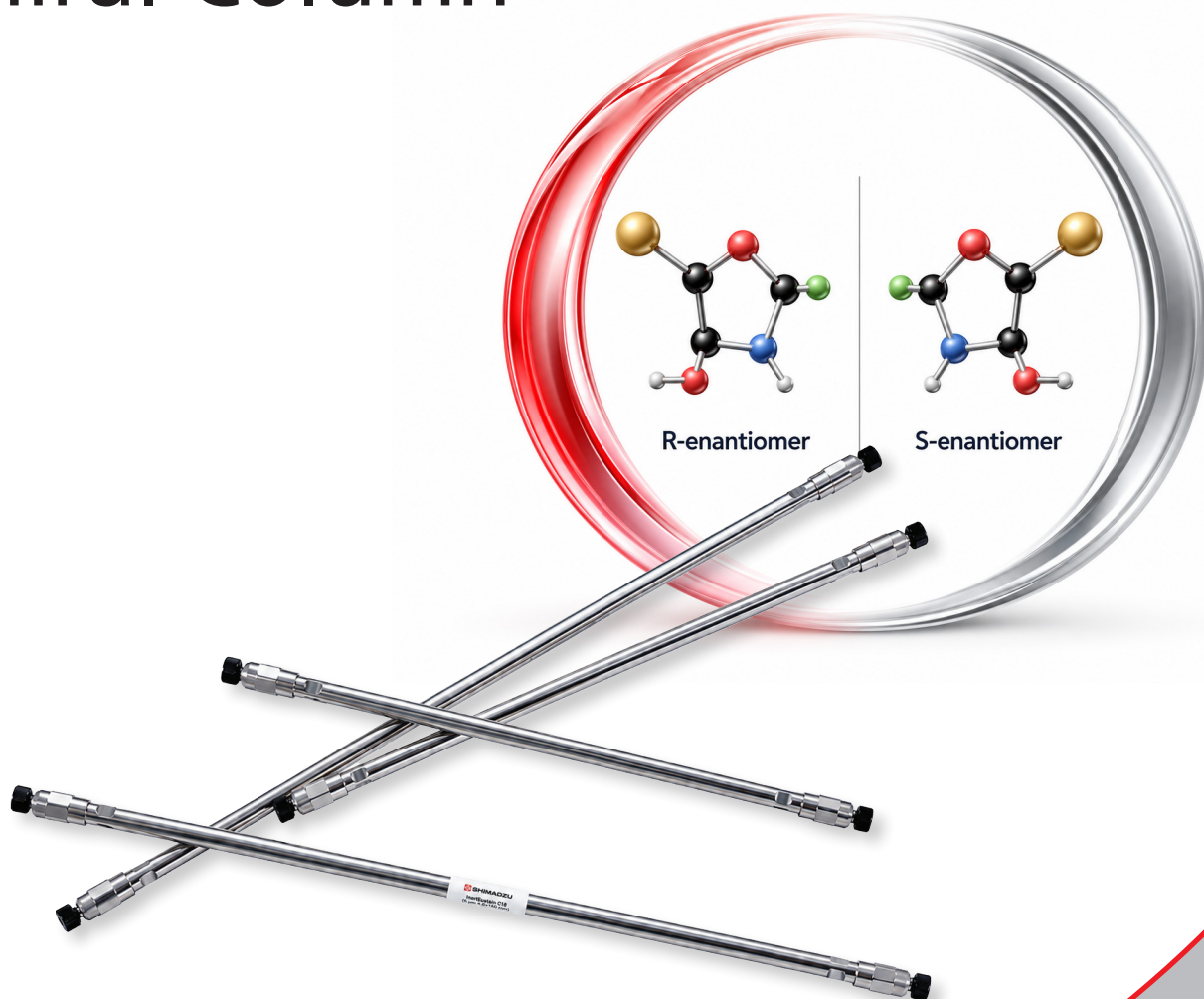


ShimOMNIA Chiral Column



ShimOMNIA Chiral series offers a wide range of chiral stationary phases that provides remarkable enantioselectivity of chiral compounds across various applications with unmatched versatility and efficiency. Our product line encompasses not only conventional coated and immobilized polysaccharide phases, but also other specialty phases such as protein-based phases and brush-type phases.



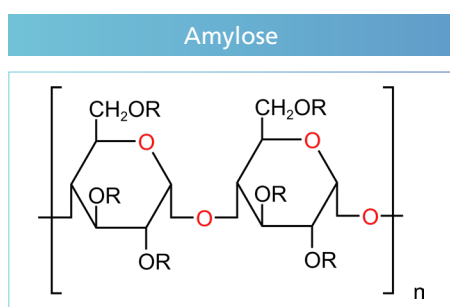
Polysaccharide Chiral Stationary Phases

Polysaccharide based chiral stationary phase represents one of the most commonly employed type of chiral stationary phases for separation of enantiomers. ShimOMNIA Chiral series offers a comprehensive range of either amylose or cellulose chiral stationary phases, coated or immobilized on spherical silica, designed for the effective separation and analysis of various chiral molecules.

Coated Polysaccharide Chiral Stationary Phase

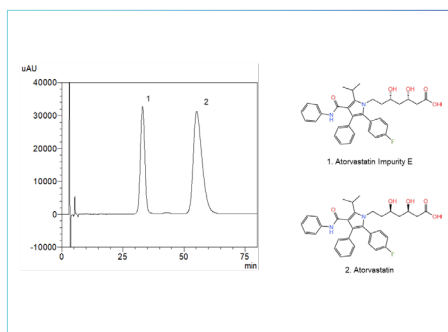
Coated polysaccharide chiral columns are filled with silica particles that are physically coated with modified amylose or cellulose. As the stationary phases are not covalently attached to the silica particle, it is crucial to avoid extreme solvents such as ethers (including THF), acetone, chlorinated solvents, ethyl acetate, DMSO, DMF, N-methylformamide, toluene, ketones, dimethylacetamide and IPA > 50%, as these solvents can potentially dissolve the polysaccharide derivatives, even when present in minimal quantities.

Coated Amylose Phases



ShimOMNIA	Chiral Amylose-1	Chiral Amylose-4	Chiral Amylose-9	Chiral Amylose-12
Phase	 R: Amylose tris-(3,5-dimethylphenylcarbamate)	 R: Amylose tris-(3-chloro-4-methylphenylcarbamate)	 R: Amylose tris-(5-chloro-2-methylphenylcarbamate)	 R: Amylose tris-[(S)-α-methylbenzylcarbamate]
Similar to*	Chiralpak AD, Lux Amylose-1	Chiralpak AZ	Chiralpak AY, Lux Amylose-2	Chiralpak AS
Pore Size (nm)	100	100	100	100
Surface Area (m ² /g)	30	30	30	30
End Capping	No	No	No	No
pH Range	2 - 8			
USP Code	L51	-	-	L90

Analysis Examples



Conditions	
Column	ShimOMNIA Chiral Amylose-1 (250 mm x 4.6 mm I.D., 5 µm), P/N: 226-55924-03
Mobile Phase	Hexane/Ethanol/trifluoroacetic acid (940:60:1)
Flow rate	1 mL/min
Sample	1. Atorvastatin Impurity E (100 µg/mL) 2. Atorvastatin (100 µg/mL)
Injection vol.	20 µL
Detection	UV 244 nm

ShimOMNIA Amylose Analytical Columns

Phase	Particle Size (µm)	ID (mm) Length (mm)	2.1	4.6
Chiral Amylose-1	3	100	226-55924-10	226-55924-14
		150	226-55924-11	226-55924-13
		250	226-55924-12	226-55924-01
	5	150	226-55924-15	226-55924-02
		250	226-55924-16	226-55924-03
	10	150		226-55924-04
		250		226-55924-05
Chiral Amylose-4	3	100	226-55933-07	
	5	150	226-55933-08	226-55933-01
		250	226-55933-09	226-55933-02
Chiral Amylose-9	5	150	226-55934-05	226-55934-01
		250	226-55934-06	226-55934-02
Chiral Amylose-12	5	150	226-55925-08	226-55925-01
		250	226-55925-09	226-55925-02
	10	250		226-55925-03

ShimOMNIA Amylose Analytical Guard Columns (5 pcs/pk)

Phase	Particle Size (µm)	ID (mm) Length (mm)	2.0	4.6
Chiral Amylose-1	3	10	226-55924-95	
	5	10	226-55924-94	226-55924-98
	10	10		226-55924-99
Chiral Amylose-4	3	10	226-55933-95	
	5	10	226-55933-94	226-55933-99
Chiral Amylose-9	5	10	226-55934-96	226-55934-99
Chiral Amylose-12	5	10	226-55925-95	226-55925-98
	10	10		226-55925-99

Holder for ShimOMNIA Chiral Guard Columns (3.0-4.6mm ID x 10mm): 226-55956-01

Holder for ShimOMNIA Chiral Guard Columns (2.0mm ID x 10mm): 226-55957-01

ShimOMNIA Amylose Preparative Columns

Phase	Particle Size (µm)	ID (mm) Length (mm)	10	20
Chiral Amylose-1	5	150	226-55924-06	226-55924-07
		250	226-55924-08	226-55924-09
Chiral Amylose-4		250	226-55933-05	226-55933-06
Chiral Amylose-9		250	226-55934-03	226-55934-04
Chiral Amylose-12		250	226-55925-06	226-55925-07

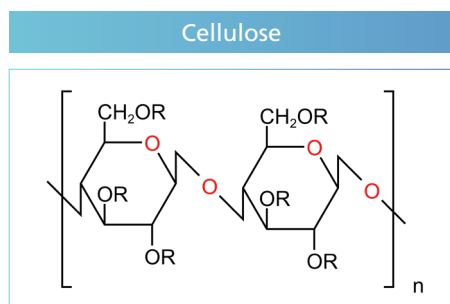
ShimOMNIA Amylose Preparative Guard Columns (2 pcs/pk)

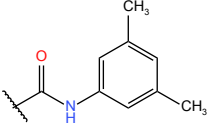
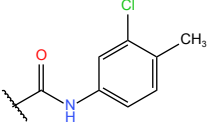
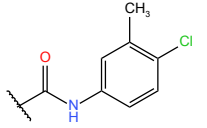
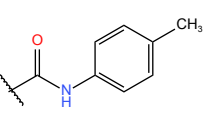
Phase	Particle Size (µm)	ID (mm) Length (mm)	8	20
Chiral Amylose-1	5	10	226-55924-96	226-55924-97
Chiral Amylose-4		10	226-55933-96	226-55933-97
Chiral Amylose-9		10	226-55934-97	226-55934-98
Chiral Amylose-12		10	226-55925-96	226-55925-97

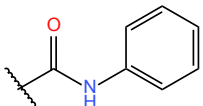
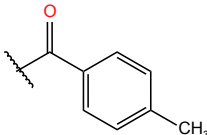
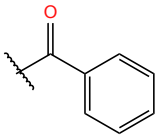
Holder for ShimOMNIA Chiral Guard Columns (8mm ID x 10mm): 226-55958-02

Holder for ShimOMNIA Chiral Guard Columns (20mm ID x 10mm): 226-55958-01

Coated Cellulose Phases



ShimOMNIA	Chiral Cellulose-1	Chiral Cellulose-4	Chiral Cellulose-7	Chiral Cellulose-10
Phase	 R: Cellulose tris-(3,5-dimethylphenylcarbamate)	 R: Cellulose tris-(3-chloro-4-methylphenylcarbamate)	 R: Cellulose tris-(4-chloro-3-methylphenylcarbamate)	 R: Cellulose tris-(4-methylphenylcarbamate)
Similar to*	Chiralcel OD, Lux Cellulose-1	Chiralcel OZ	Chiralcel OX, Lux Cellulose-4	Chiralcel OG
Pore Size (nm)	100	100	100	100
Surface Area (m ² /g)	30	30	30	30
End Capping	No	No	No	No
pH Range	2 - 8			
USP Code	L40	L123	-	L90

ShimOMNIA	Chiral Cellulose-11	Chiral Cellulose-13	Chiral Cellulose-14
Phase	 R: Cellulose tris-(phenylcarbamate)	 R: Cellulose tris-(4-methylbenzoate)	 R: Cellulose tribenzoate
Similar to*	Chiralcel OC	Chiralcel OJ, Lux Cellulose-3	Chiralcel OB
Pore Size (nm)	100	100	100
Surface Area (m ² /g)	30	30	30
End Capping	No	No	No
pH Range	2 - 8		
USP Code	L70	L80	-

ShimOMNIA Cellulose Analytical Columns

Phase	Particle Size (μm)	ID (mm)	2.1	4.6
		Length (mm)		
Chiral Cellulose-1	3	150	226-55922-01	226-55922-05
	5	150	226-55922-02	226-55922-06
		250	226-55922-03	226-55922-07
	10	250	226-55922-04	226-55922-08
Chiral Cellulose-1-R	5	150		226-55923-01
		300		226-55923-02
Chiral Cellulose-4	3	150	226-55930-07	226-55930-03
		250	226-55930-08	226-55930-04
	5	150	226-55930-09	226-55930-01
		250	226-55930-10	226-55930-02
Chiral Cellulose-7	3	150	226-55931-07	226-55931-03
	5	150	226-55931-08	226-55931-01
		250	226-55931-09	226-55931-02
Chiral Cellulose-10	5	150	226-55929-05	226-55929-01
		250	226-55929-06	226-55929-02
Chiral Cellulose-11	5	150	226-55928-06	226-55928-01
		250	226-55928-07	226-55928-02
	10	250		226-55928-03
Chiral Cellulose-13	5	150	226-55926-08	226-55926-01
		250	226-55926-09	226-55926-02
	10	250		226-55926-03
Chiral Cellulose-13-R	5	150		226-55927-01
		250		226-55927-02
Chiral Cellulose-14	5	150	226-55932-05	226-55932-01
		250	226-55932-06	226-55932-02

ShimOMNIA Cellulose Analytical Guard Columns (5 pcs/pk)

Phase	Particle Size (µm)	ID (mm)	2.0	4.6
		Length (mm)		
Chiral Cellulose-1	3	10	226-55922-92	226-55922-93
	5	10	226-55922-96	226-55922-97
	10	10	226-55922-98	226-55922-99
Chiral Cellulose-4	3	10	226-55930-95	226-55930-98
	5	10	226-55930-94	226-55930-99
Chiral Cellulose-7	3	10	226-55931-94	226-55931-98
	5	10	226-55931-95	226-55931-99
Chiral Cellulose-10	5	10	226-55929-96	226-55929-99
Chiral Cellulose-11	5	10	226-55928-95	226-55928-98
	10	10		226-55928-99
Chiral Cellulose-13	5	10	226-55926-95	226-55926-98
	10	10		226-55926-99
Chiral Cellulose-14	5	10	226-55932-96	226-55932-99

Holder for ShimOMNIA Chiral Guard Columns (3.0-4.6mm ID x 10mm): 226-55956-01

Holder for ShimOMNIA Chiral Guard Columns (2.0mm ID x 10mm): 226-55957-01

ShimOMNIA Cellulose Preparative Columns

Phase	Particle Size (µm)	ID (mm)	10	20
		Length (mm)		
Chiral Cellulose-1	5	250	226-55922-11	226-55922-12
Chiral Cellulose-4	5	250	226-55930-05	226-55930-06
Chiral Cellulose-7	5	250	226-55931-05	226-55931-06
Chiral Cellulose-10	5	250	226-55929-03	226-55929-04
Chiral Cellulose-11	5	250	226-55928-04	226-55928-05
Chiral Cellulose-13	5	250	226-55926-06	226-55926-07
Chiral Cellulose-14	5	250	226-55932-03	226-55932-04

ShimOMNIA Cellulose Preparative Guard Columns (2 pcs/pk)

Phase	Particle Size (µm)	ID (mm)	8	20
		Length (mm)		
Chiral Cellulose-1	5	10	226-55922-94	226-55922-95
Chiral Cellulose-4	5	10	226-55930-96	226-55930-97
Chiral Cellulose-7	5	10	226-55931-96	226-55931-97
Chiral Cellulose-10	5	10	226-55929-97	226-55929-98
Chiral Cellulose-11	5	10	226-55928-96	226-55928-97
Chiral Cellulose-13	5	10	226-55926-96	226-55926-97
Chiral Cellulose-14	5	10	226-55932-97	226-55932-98

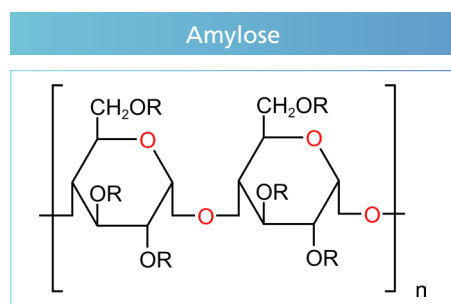
Holder for ShimOMNIA Chiral Guard Columns (3.0-4.6mm ID x 10mm): 226-55956-01

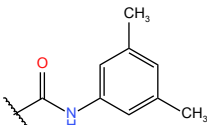
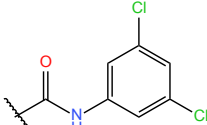
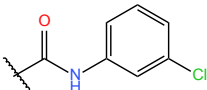
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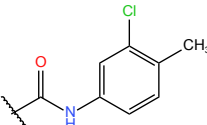
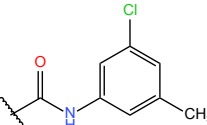
Immobilized Polysaccharide Chiral Stationary Phase

Immobilized polysaccharide chiral columns are packed with silica particles that are covalently bonded with modified amylose (iAmylose) or cellulose (iCellulose), which enhances the robustness of the columns. These columns can withstand strong organic solvents such as DMSO, DCM, ethyl acetate, MTBE, and THF, providing access to a wider range of mobile phases for method development.

Immobilized Amylose Phases



ShimOMNIA	Chiral iAmylose-1	Chiral iAmylose-2	Chiral iAmylose-3
Phase	 R: Amylose tris-(3,5-dimethylphenylcarbamate)	 R: Amylose tris-(3,5-dichlorophenylcarbamate)	 R: Amylose tris-(3-chlorophenylcarbamate)
Similar to*	Chiralpak IA, Lux i-Amylose-1	Chiralpak IE	Chiralpak ID
Pore Size (nm)	100	100	100
Surface Area (m ² /g)	30	30	30
End Capping	No	No	No
pH Range	2 - 8		
USP Code	L99	L131	L126

ShimOMNIA	Chiral iAmylose-4	Chiral iAmylose-5
Phase	 R: Amylose tris-(3-chlorophenylcarbamate)	 R: Amylose tris-(3-chloro-4-methylphenylcarbamate)
Similar to*	Chiralpak IF	Chiralpak IG
Pore Size (nm)	100	100
Surface Area (m ² /g)	30	30
End Capping	No	No
pH Range	2 - 8	
USP Code	L134	L135

ShimOMNIA iAmylose Analytical Columns

Phase	Particle Size (μm)	ID (mm)	2.1	4.6
		Length (mm)		
Chiral iAmylose-1	5	150	226-55935-06	226-55935-01
		250	226-55935-07	226-55935-02
Chiral iAmylose-2	5	150	226-55939-06	226-55939-01
		250	226-55939-07	226-55939-02
Chiral iAmylose-3	5	150	226-55938-05	226-55938-01
		250	226-55938-06	226-55938-02
Chiral iAmylose-4	5	150	226-55940-05	226-55940-01
		250	226-55940-06	226-55940-02
Chiral iAmylose-5	5	150	226-55941-05	226-55941-01
		250	226-55941-06	226-55941-02

ShimOMNIA iAmylose Analytical Guard Columns (5 pcs/pk)

Phase	Particle Size (μm)	ID (mm)	2.0	4.6
		Length (mm)		
Chiral iAmylose-1	5	10	226-55935-98	226-55935-99
Chiral iAmylose-2	5	10	226-55939-98	226-55939-99
Chiral iAmylose-3	5	10	226-55938-96	226-55938-99
Chiral iAmylose-4	5	10	226-55940-96	226-55940-99
Chiral iAmylose-5	5	10	226-55941-96	226-55941-99

Holder for ShimOMNIA Chiral Guard Columns (3.0-4.6mm ID x 10mm): 226-55956-01

Holder for ShimOMNIA Chiral Guard Columns (2.0mm ID x 10mm): 226-55957-01

ShimOMNIA iAmylose Preparative Columns

Phase	Particle Size (μm)	ID (mm)	10	20
		Length (mm)		
Chiral iAmylose-1	5	250	226-55935-04	226-55935-05
Chiral iAmylose-2	5	250	226-55939-04	226-55939-05
Chiral iAmylose-3	5	250	226-55938-03	226-55938-04
Chiral iAmylose-4	5	250	226-55940-03	226-55940-04
Chiral iAmylose-5	5	250	226-55941-04	226-55941-03

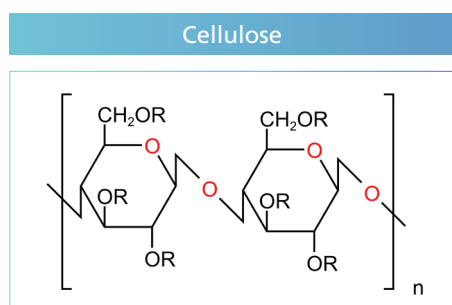
ShimOMNIA iAmylose Preparative Guard Columns (2 pcs/pk)

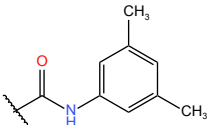
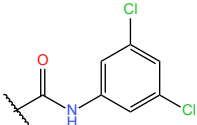
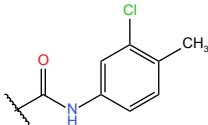
Phase	Particle Size (µm)	ID (mm)	8	20
		Length (mm)		
Chiral iAmylose-1	5	10	226-55935-96	226-55935-97
Chiral iAmylose-2	5	10	226-55939-96	226-55939-97
Chiral iAmylose-3	5	10	226-55938-97	226-55938-98
Chiral iAmylose-4	5	10	226-55940-97	226-55940-98
Chiral iAmylose-5	5	10	226-55941-97	226-55941-98

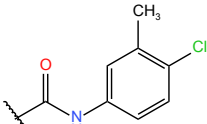
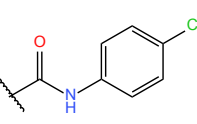
Holder for ShimOMNIA Chiral Guard Columns (8mm ID x 10mm): 226-55958-02

Holder for ShimOMNIA Chiral Guard Columns (20mm ID x 10mm): 226-55958-01

Immobilized Cellulose Phases



ShimOMNIA	Chiral iCellulose-1	Chiral iCellulose-2	Chiral iCellulose-4
Phase	 R: Cellulose tris-(3,5-dimethylphenylcarbamate)	 R: Cellulose tris-(3,5-dichlorophenylcarbamate)	 R: Cellulose tris-(3-chloro-4-methylphenylcarbamate)
Similar to*	Chiralpak IB	Chiralpak IC, Lux i-Cellulose-5	
Pore Size (nm)	100	100	100
Surface Area (m2/g)	30	30	30
End Capping	No	No	No
pH Range	2 - 8		
USP Code	-	L119	-

ShimOMNIA	Chiral iCellulose-7	Chiral iCellulose-8
Phase	 R: Cellulose tris-(4-chloro-3-methylphenylcarbamate)	 R: Cellulose tris-(4-chlorophenylcarbamate)
Similar to*		
Pore Size (nm)	100	100
Surface Area (m2/g)	30	30
End Capping	No	No
pH Range	2 - 8	
USP Code	-	-

ShimOMNIA iCellulose Analytical Columns

Phase	Particle Size (µm)	ID (mm)	2.1	4.6
		Length (mm)		
Chiral iCellulose-1	5	150	226-55936-06	226-55936-01
		250	226-55936-07	226-55936-02
Chiral iCellulose-2	5	150	226-55937-08	226-55937-01
		250	226-55937-09	226-55937-02
Chiral iCellulose-4	5	150	226-55944-05	226-55944-01
		250	226-55944-06	226-55944-02
Chiral iCellulose-7	5	150	226-55943-06	226-55943-01
		250	226-55943-07	226-55943-02
Chiral iCellulose-8	5	150	226-55942-05	226-55942-01
		250	226-55942-06	226-55942-02

ShimOMNIA iCellulose Analytical Guard Columns (5 pcs/pk)

Phase	Particle Size (µm)	ID (mm)	2.0	4.6
		Length (mm)		
Chiral iCellulose-1	5	10	226-55936-98	226-55936-99
Chiral iCellulose-2	5	10	226-55937-98	226-55937-99
Chiral iCellulose-4	5	10	226-55944-96	226-55944-99
Chiral iCellulose-7	5	10	226-55943-98	226-55943-99
Chiral iCellulose-8	5	10	226-55942-96	226-55942-99

Holder for ShimOMNIA Chiral Guard Columns (3.0-4.6mm ID x 10mm): 226-55956-01

Holder for ShimOMNIA Chiral Guard Columns (2.0mm ID x 10mm): 226-55957-01

ShimOMNIA iCellulose Preparative Columns

Phase	Particle Size (µm)	ID (mm)	10	20
		Length (mm)		
Chiral iCellulose-1	5	250	226-55936-04	226-55936-05
Chiral iCellulose-2	5	250	226-55937-06	226-55937-07
Chiral iCellulose-4	5	250	226-55944-03	226-55944-04
Chiral iCellulose-7	5	250	226-55943-04	226-55943-05
Chiral iCellulose-8	5	250	226-55942-03	226-55942-04

ShimOMNIA iCellulose Preparative Guard Columns (2 pcs/pk)

Phase	Particle Size (µm)	ID (mm) Length (mm)	8	20
Chiral iCellulose-1	5	10	226-55936-96	226-55936-97
Chiral iCellulose-2	5	10	226-55937-95	226-55937-96
Chiral iCellulose-4	5	10	226-55944-97	226-55944-98
Chiral iCellulose-7	5	10	226-55943-96	226-55943-97
Chiral iCellulose-8	5	10	226-55942-97	226-55942-98

Holder for ShimOMNIA Chiral Guard Columns (8mm ID x 10mm): 226-55958-02

Holder for ShimOMNIA Chiral Guard Columns (20mm ID x 10mm): 226-55958-01

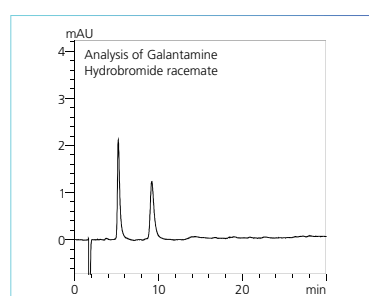
Protein-based Chiral Stationary Phases

ShimOMNIA	Chiral-αGP	Chiral-HSA
Phase	α 1-acid glycoprotein	Human serum albumin
Similar to*	Chiralpak AGP	Chiralpak HSA
Pore Size (nm)	30	30
Surface Area (m ² /g)	100	100
End Capping	No	No
pH Range	2 - 8	
USP Code	L41	L79

ShimOMNIA Chiral-αGP

ShimOMNIA Chiral-αGP column features silica particles that are immobilized with α1-acid glycoprotein. Optimization of retention and enantioselectivity can be achieved by adjusting the pH of the mobile phase, the buffer concentration, and the composition of organic modifiers. This column is appropriate for applications in reversed phase conditions.

Analysis Examples



Conditions	
Column	ShimOMNIA Chiral-αGP (150 mm x 4.0 mm I.D., 5 µm)
Mobile Phase	Acetonitrile/0.1 M sodium acetate in water (2:98), pH 6.5
Flow rate	0.8 mL/min
Sample	Galantamine Hydrobromide racemic reference standard.
Injection vol.	UV 230 nm

ShimOMNIA Chiral-HSA

ShimOMNIA Chiral-HSA columns are packed with spherical silica particles that are immobilized with human serum albumin. They are effective for separation of acidic, zwitterionic and neutral racemate. Retention and enantioselectivity can be optimized by adjusting the mobile phase pH, buffer concentration, and organic modifier composition. This column is also employed for rapid drug-protein binding studies. This column is suitable for use in reversed phases condition.

			Chiral-αGP	Chiral-HSA
Column Type	Particle Size (μm)	ID (mm) Length (mm)	4.0	4.6
Analytical Column	5	100	226-55945-01	
		150	226-55945-02	226-55947-01
Guard Column (5pcs/pk)	5	10	226-55945-99	226-55947-99

Holder for ShimOMNIA Chiral Guard Columns (3.0-4.6mm ID x 10mm): 226-55956-01

Specialty Chiral Phases

ShimOMNIA	Chiral-TAG	Beta-CD	Chiral-L-PhenylGlycine	Chiral-D-PhenylGlycine	Chiral-L-HydroxyProline	Chiral-iBT(+)	Chiral-iBT(-)
Phase	Teicoplanin aglycon	β-Cyclodextrin	N-(3,5-dinitrobenzoyl)-L-phenylglycine	N-(3,5-dinitrobenzoyl)-D-Phenylglycine	L-Hydroxy-Proline	Proprietary brush type	Proprietary brush type
Similar to*	Astec Chirobiotic TAG	ULTRON ES-CD, Nucleodex Beta-OH	Nucleosil Chiral-3	Nucleosil Chiral-2	Nucleosil Chiral-1, Chiralpak WH/ (MA+)		
Pore Size (nm)	10	10	10	10	10	10	10
Surface Area (m ² /g)	280	300	280	280	280	350	350
End Capping	No	No	No	No	No	No	No
pH Range	2 - 8	2 - 8	2 - 8	2 - 8	2 - 8	2 - 8	2 - 8
USP Code	L63	L45	L36	-	L32	-	-

ShimOMNIA Chiral TAG

ShimOMNIA Chiral-TAG columns are packed with silica particles that are bonded with Teicoplanin Aglycon, which provides enhanced resolution of compounds including amino acids, amino alcohols, N-blocked amino acids, α-hydroxy acids, oxazolidinones, hydantoins, imides and diazepines.

ShimOMNIA Chiral Beta-CD

ShimOMNIA Chiral Beta-CD columns are packed with silica particles bonded with β -cyclodextrin. The enantioselective separation is achieved through inclusion complex formation using the chiral cavity provided by the β -cyclodextrin group that selectively interacts with analytes through host–guest inclusion, dipole–dipole, hydrogen bonding, and hydrophobic interactions. This combination of interactions enables efficient and reproducible resolution of a wide range of racemic compounds.

ShimOMNIA Chiral-D/L-Phenyl Glycine

ShimOMNIA Chiral D-Phenyl Glycine and ShimOMNIA Chiral L-Phenyl Glycine columns are packed with silica particles bonded with N-(3,5-dinitrobenzoyl)-D-phenylglycine and N-(3,5-dinitrobenzoyl)-L-phenylglycine, respectively. These columns demonstrate exceptional capability in separating the enantiomers of herbicides, such as Fenoprop-methyl and Mecoprop-methyl. It is important to note that the ShimOMNIA Chiral D-Phenyl Glycine column will display an elution order that is opposite to that of the ShimOMNIA Chiral L-Phenyl Glycine column.

ShimOMNIA Chiral L-HydroxyProline

ShimOMNIA Chiral-L-Hydroxyproline columns are packed with silica particles that are bonded with L-hydroxyproline. These columns are ideal for separating enantiomers of various compounds, including Atrolactic acid, Mandelic acid, lactic acid, Asparagine, Serine, Phenylalanine, Threonine, Proline, Histidine, Valine, Tyrosine, and Tryptophan. They operate under ligand exchange mode, with a typical eluent being a 2-10 mM CuSO₄ solution.

ShimOMNIA Chiral-iBT(+)/(-)

ShimOMNIA Chiral-iBT columns are packed with silica that features a proprietary brush-type ligand, which enables the effective separation of aromatic compounds containing nitrogen (N), oxygen (O), or sulfur (S) near the chiral center. These columns are particularly valuable for analyzing aromatic chiral compounds that contain amide, carbamate, alkylamine, and ester groups, including those with multiple stereogenic centers. The ShimOMNIA Chiral iBT(+) and ShimOMNIA Chiral iBT(-) columns complement each other by displaying opposite elution orders of enantiomers during analysis.

Phase	Particle Size (μm)	ID (mm)	2.0	4.0	4.6
		Length (mm)			
Chiral TAG	5	150			226-55946-01
		250			226-55946-02
Chiral Beta-CD	5	150	226-55959-01	226-55959-02	226-55959-03
		250		226-55959-05	226-55959-06
Chiral L-PhenylGlycine	5	250		226-55948-01	226-55949-01
Chiral D-PhenylGlycine	5	250		226-55950-01	226-55951-01
Chiral L-HydroxyProline	5	250		226-55952-01	226-55953-01
Chiral-iBT(+)	5	150			226-55954-01
		250			226-55954-02
Chiral-iBT(-)	5	150			226-55955-01
		250			226-55955-02

Column Cross Reference Table

Shimadzu	Daicel*	Phenomenex*
<i>Coated Polysaccharide Phases</i>		
ShimOMNIA Chiral Amylose-1	Chiralpak AD	Lux Amylose-1
ShimOMNIA Chiral Amylose-4	Chiralpak AZ	
ShimOMNIA Chiral Amylose-9	Chiralpak AY	Lux Amylose-2
ShimOMNIA Chiral Amylose-12	Chiralpak AS	
ShimOMNIA Chiral Cellulose-1	Chiralcel OD	Lux Cellulose-1
ShimOMNIA Chiral Cellulose-4	Chiralcel OZ	Lux Cellulose-2
ShimOMNIA Chiral Cellulose-7	Chiralcel OX	Lux Cellulose-4
ShimOMNIA Chiral Cellulose-10	Chiralcel OG	
ShimOMNIA Chiral Cellulose-11	Chiralcel OC	
ShimOMNIA Chiral Cellulose-13	Chiralcel OJ	Lux Cellulose-3
ShimOMNIA Chiral Cellulose-14	Chiralcel OB	
<i>Immobilised Polysaccharide Phases</i>		
ShimOMNIA Chiral iAmylose-1	Chiralpak IA	Lux i-Amylose-1
ShimOMNIA Chiral iAmylose-2	Chiralpak IE	
ShimOMNIA Chiral iAmylose-3	Chiralpak ID	
ShimOMNIA Chiral iAmylose-4	Chiralpak IF	
ShimOMNIA Chiral iAmylose-5	Chiralpak IG	
ShimOMNIA Chiral iCellulose-1	Chiralpak IB	
ShimOMNIA Chiral iCellulose-2	Chiralpak IC	Lux i-Cellulose-5
ShimOMNIA Chiral iCellulose-4	Chiralpak IM	
ShimOMNIA Chiral iCellulose-7		
ShimOMNIA Chiral iCellulose-8		
<i>Protein-based Phases</i>		
ShimOMNIA Chiral-αGP	Chiralpak AGP	
ShimOMNIA Chiral-HSA	Chiralpak HSA	
<i>Specialty Phases</i>		
ShimOMNIA Chiral TAG		
ShimOMNIA Chiral Beta-CD		
ShimOMNIA Chiral L-PhenylGlycine		
ShimOMNIA Chiral D-PhenylGlycine		
ShimOMNIA Chiral L-HydroxyProline	Chiralpak WH	
ShimOMNIA Chiral iBT(+)		
ShimOMNIA Chiral iBT(-)		

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