

NEW!

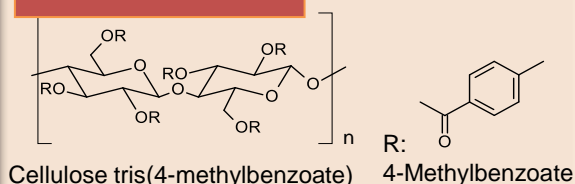
Chiral Separation Column

CHIRAL ART Cellulose-SJ

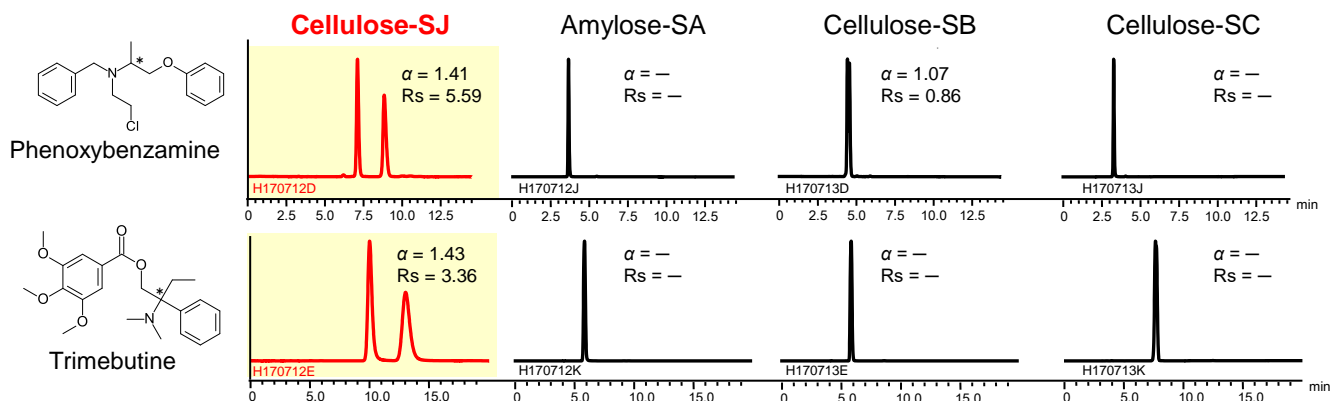
Features

- New chiral selector as an immobilized type
- Wide application and unique selectivity complements other chiral selectors
- Wide range of usable organic solvents
- Highly durable under a wide range of pH

Chiral Selector



Unique Stereoselectivity Complements Other Chiral Selectors



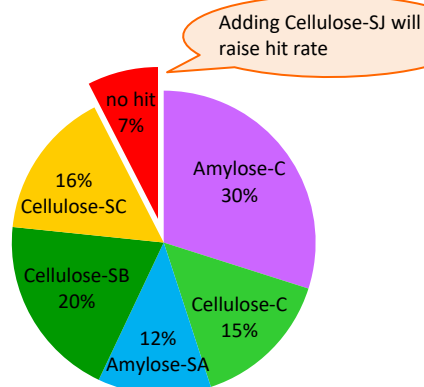
Phenoxybenzamine

Column : 5 μ m, 250 X 4.6 mm.I.D.
 Eluent : *n*-hexane/ethanol/diethylamine (95/5/0.1)
 Flow rate : 1.0 mL/min
 Temperature : 25°C
 Detection : UV at 270 nm
 Injection : 5 μ L (1 mg/mL)

Trimebutine

Column : 5 μ m, 250 X 4.6 mm.I.D.
 Eluent : *n*-hexane/ethanol/diethylamine (95/5/0.1)
 Flow rate : 1.0 mL/min
 Temperature : 25°C
 Detection : UV at 265 nm
 Injection : 5 μ L (1 mg/mL)

CHIRAL ART column screening result

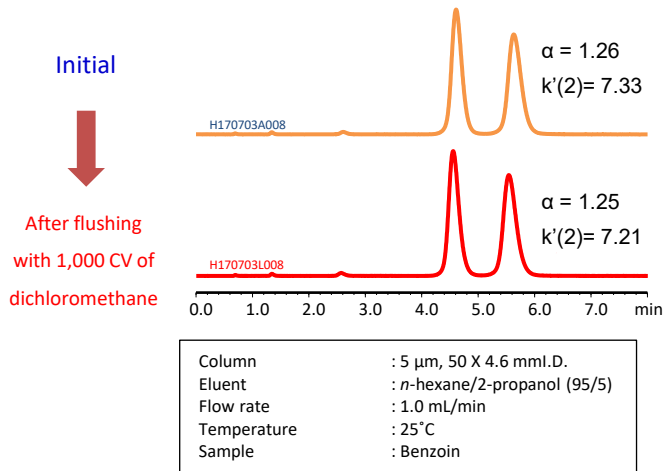


With unique stereoselectivity, CHIRAL ART Cellulose-SJ further improves resolution and can separate the compounds that were impossible to be separated by conventional types.

CHIRAL ART lineup

Type	Column/ Packing material	Chiral selector
Immobilized type	CHIRAL ART Amylose-SA	Amylose tris(3,5-dimethylphenylcarbamate)
	CHIRAL ART Cellulose-SB	Cellulose tris(3,5-dimethylphenylcarbamate)
	CHIRAL ART Cellulose-SC	Cellulose tris(3,5-dichlorophenylcarbamate)
	NEW CHIRAL ART Cellulose-SJ	Cellulose tris(4-methylbenzoate)
Coated type	CHIRAL ART Amylose-C	Amylose tris(3,5-dimethylphenylcarbamate)
	CHIRAL ART Cellulose-C	Cellulose tris(3,5-dimethylphenylcarbamate)

High Solvent Versatility



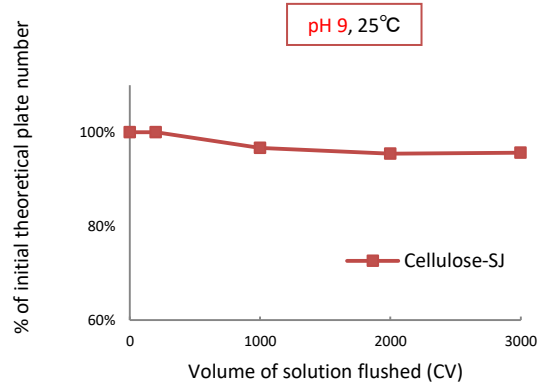
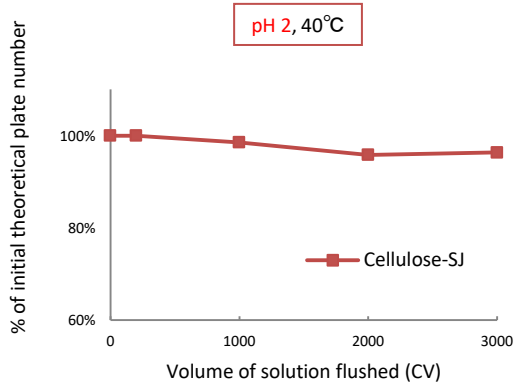
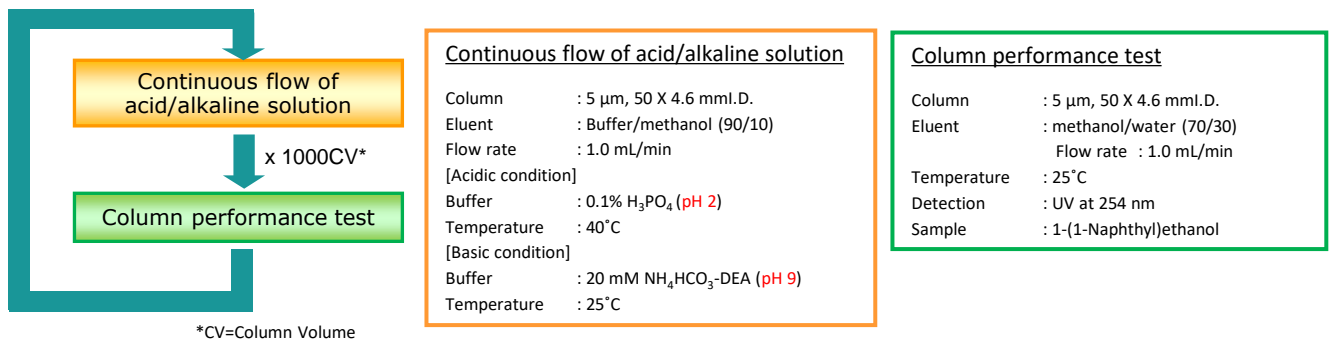
Retention rate of initial column performance
(after flushing with 1,000 CV of each solvent at 40°C)

Solvent	α	$k'(2)$
Ethyl acetate	99.3%	99.0%
Tetrahydrofuran	99.2%	99.7%
Dichloromethane	99.6%	98.4%

*CV=Column Volume

CHIRAL ART Cellulose-SJ has high resistance to various solvents. The difference in column performance after flushing with each solvent was less than 2%.

Wide Usable pH Range



CHIRAL ART Cellulose-SJ has excellent chemical durability and can be used across a wide range of pH range. It enables stable analysis for ionic compounds that need pH control of mobile phase in reversed-phase condition.

Worldwide Availability

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YMC Switzerland LLC
www.ymc-schweiz.ch

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YMC CO., LTD.

YMC Karasuma-Gojo Bldg., 284 Daigo-cho
 Karasuma Nishiiru Gojo-dori, Shimogyo-ku
 Kyoto, 600-8106, Japan
 TEL:+81-75-342-4515 FAX:+81-75-342-4550
 www.ymc.co.jp sales@ymc.co.jp

Distributor