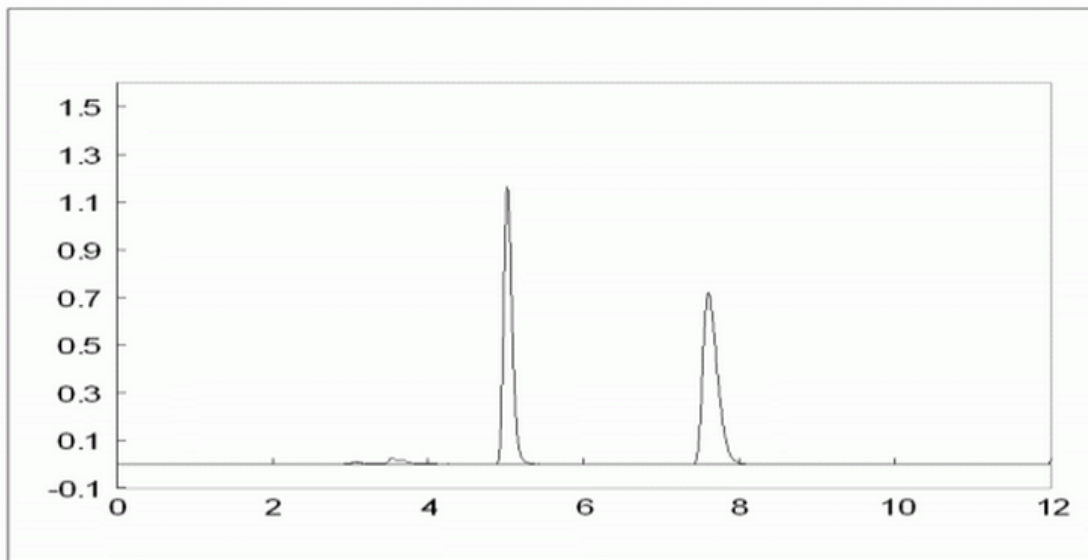


Daicel Chiralcel and Welch Ultisil Chiral Column Comparison

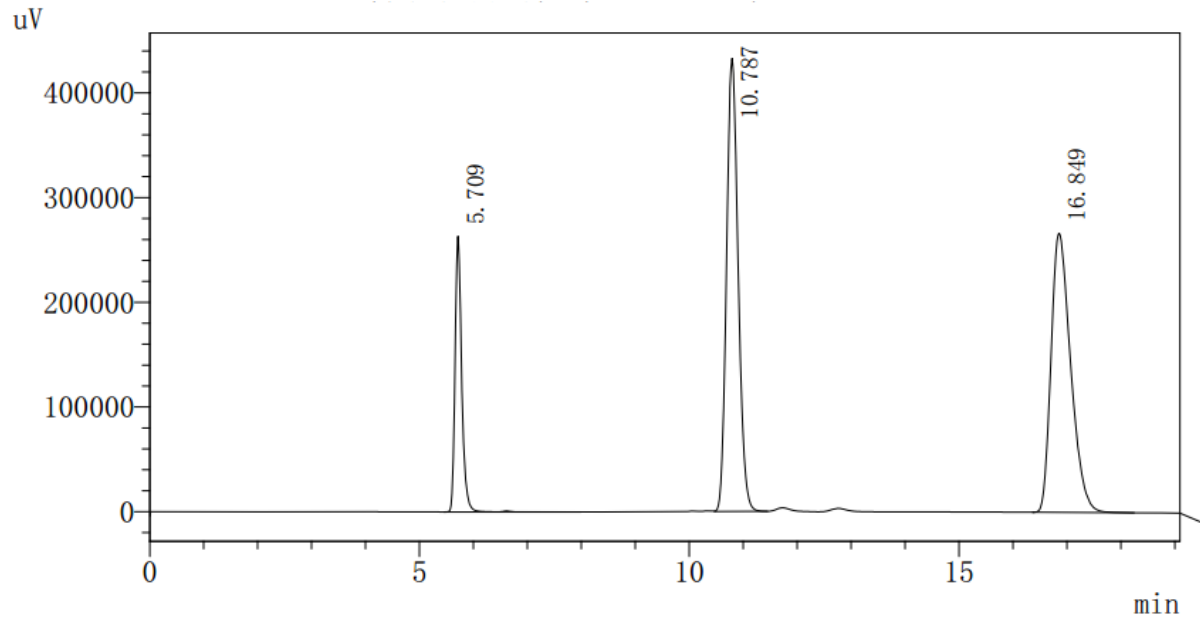
Equivalent Columns

Daicel Chiralcel	Welch Ultisil
OD	Cellu-D / Cellu-DR
OJ	Cellu-J / Cellu-JR
AD	Amy-D / Amy-DR
AS	Amy-S / Amy-SR

*R = reversed phase

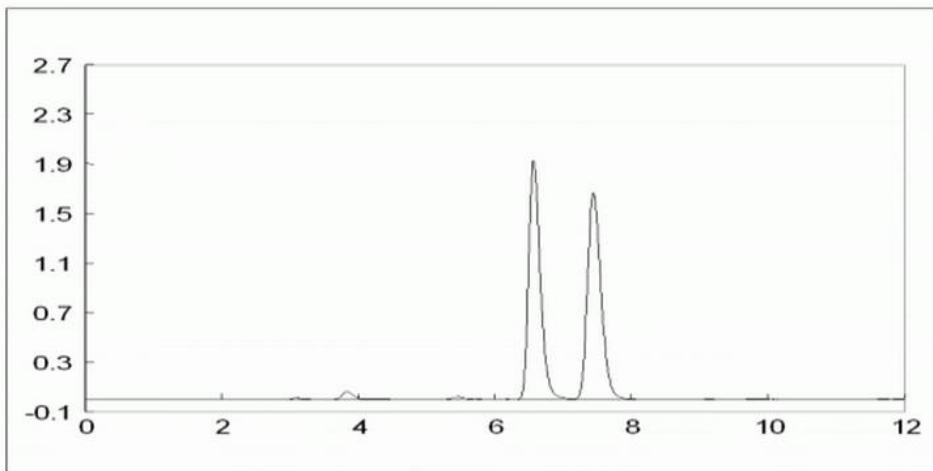


Daicel Chiralcel OD-H



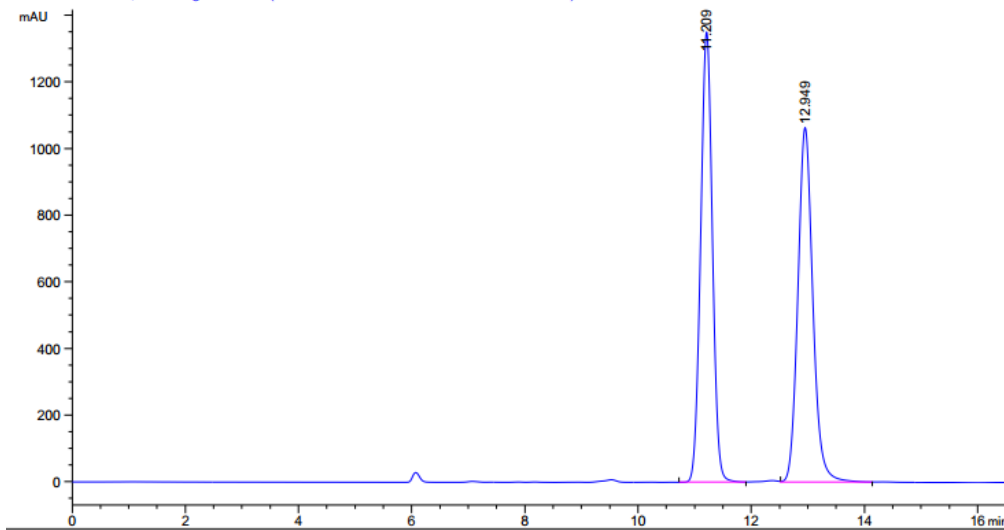
Welch Ultisil Cellu-D

Trans Stilbene Oxide		
	Chiralcel OD-H	Ultisil Cellu-D
RT1	5.04	10.787
RT2	7.62	16.849
α	2.29	2.19
R	9.52	11.35

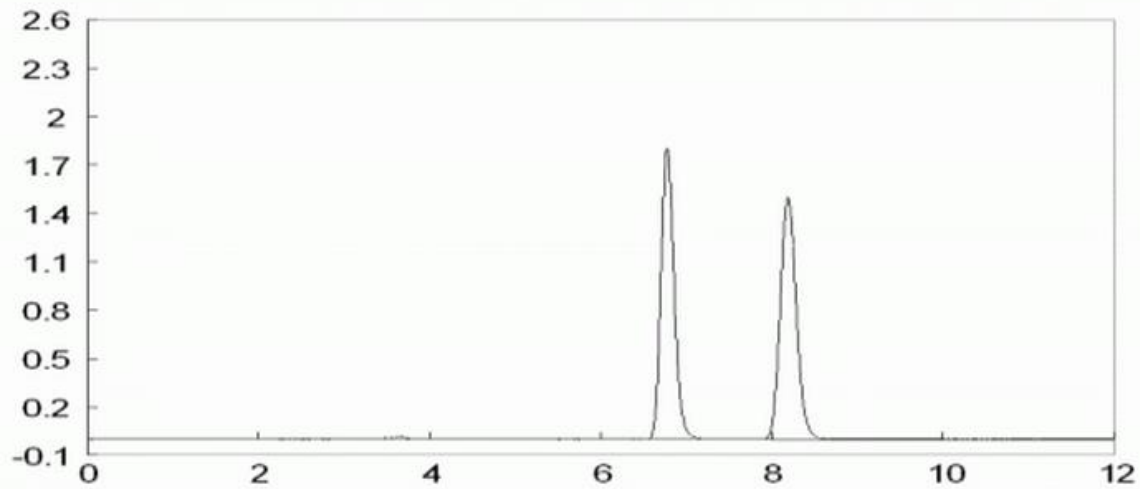


Daicel Chiralcel OD-H

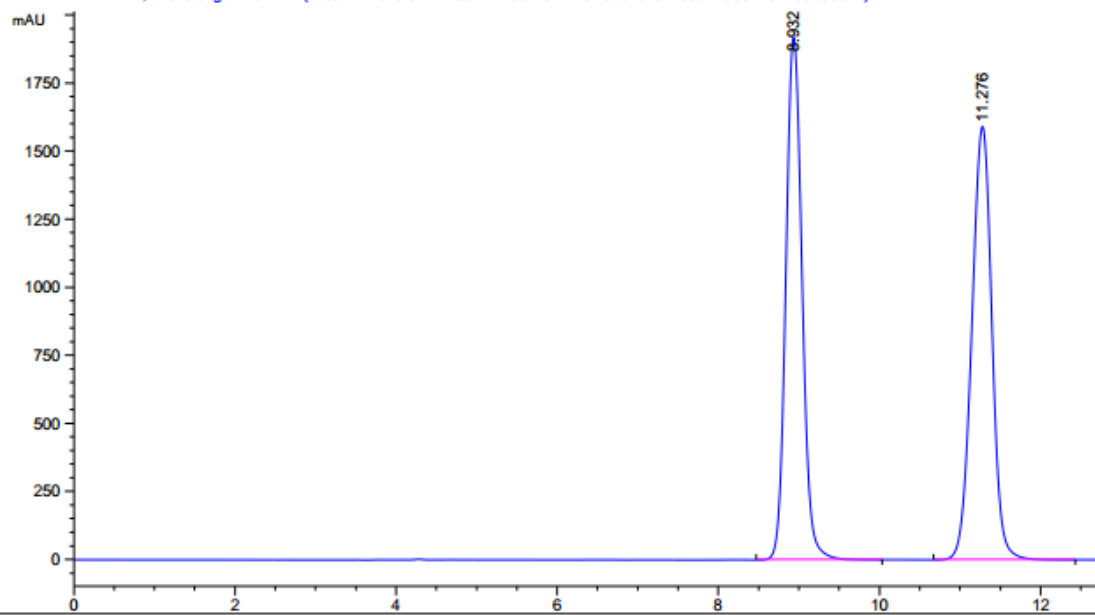
Troger's base		
	Chiralcel OD-H	Ultisil Cellu-D
RT1	6.55	11.209
RT2	7.43	12.949
α	1.25	1.33
R	2.62	4.13



Welch Ultisil Cellu-D



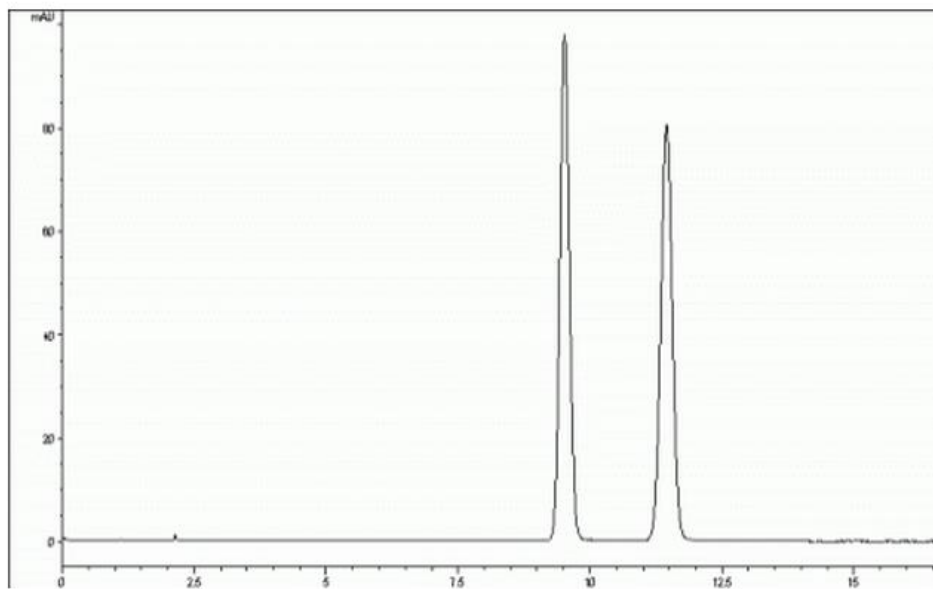
Daicel Chiralcel OD-H



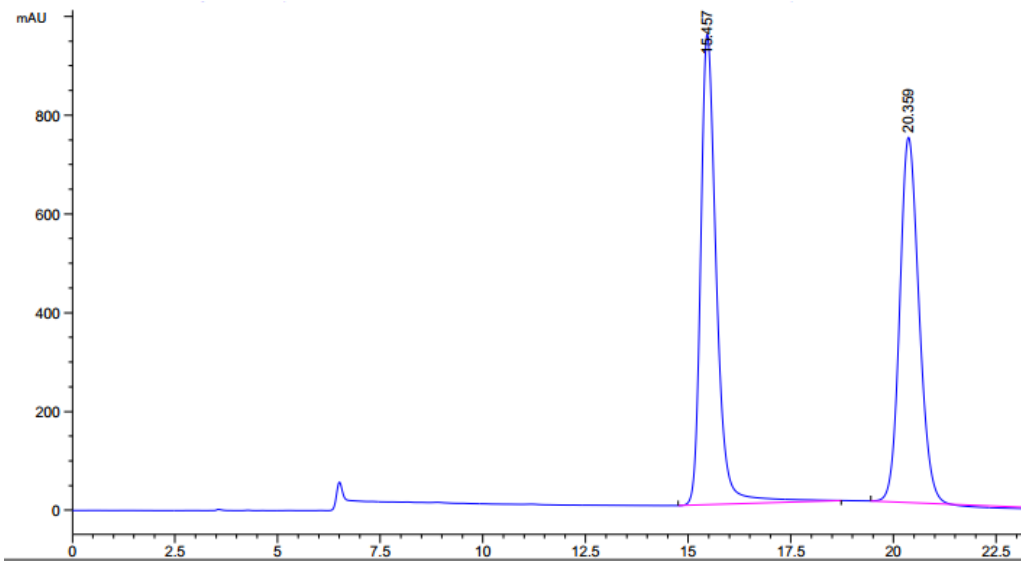
Welch Ultisil Cellu-D

Flavanone

	Chiralcel OD-H	Ultisil Cellu-D
RT1	6.78	8.932
RT2	8.21	11.276
α	1.38	1.26
R	4.57	5.82



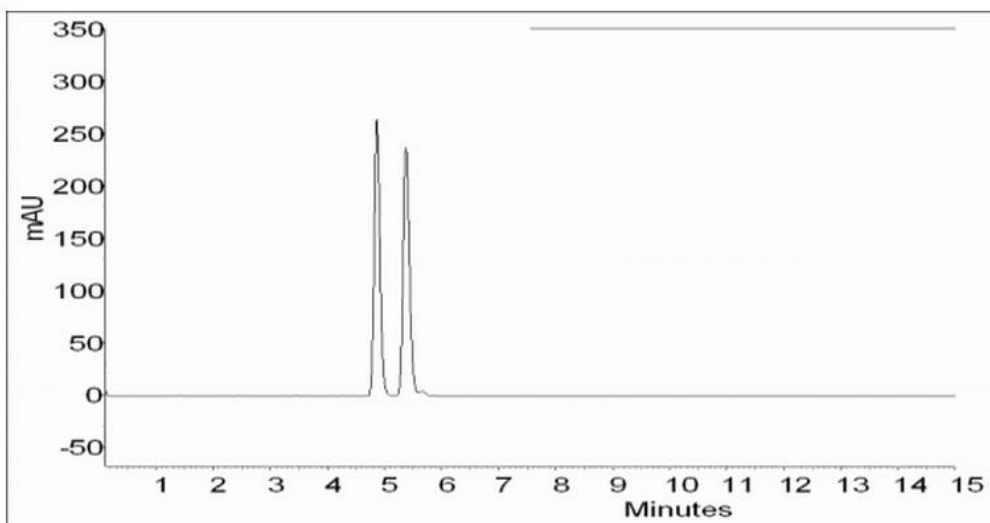
Daicel Chiralcel OD-3



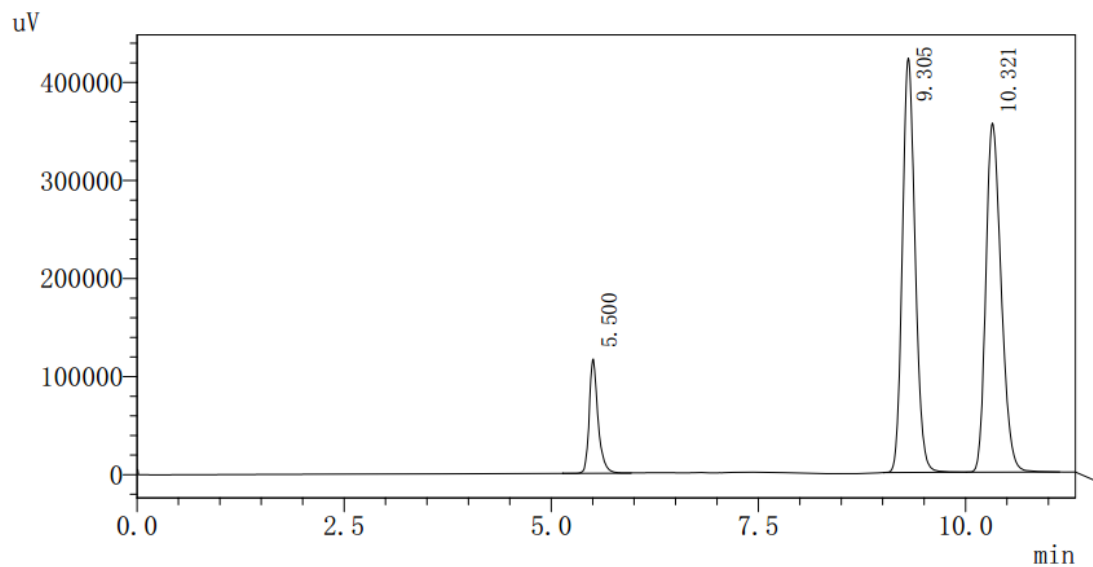
Welch Ultisil Cellu-D

Benzoin

	Chiralcel OD-3	Ultisil Cellu-D
RT1	9.52	15.457
RT2	11.45	20.359
α	1.24	1.32
R	5.30	6.63



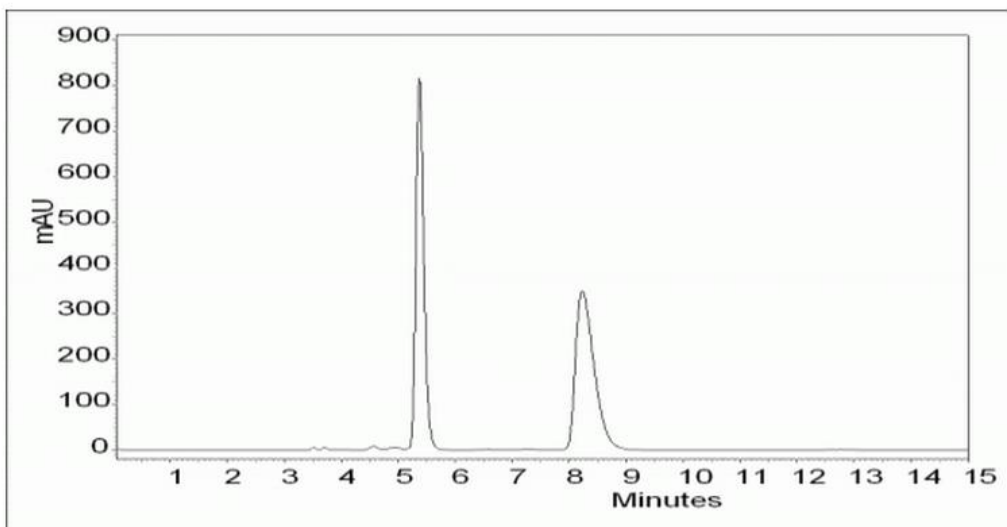
Daicel Chiralpak AS-H



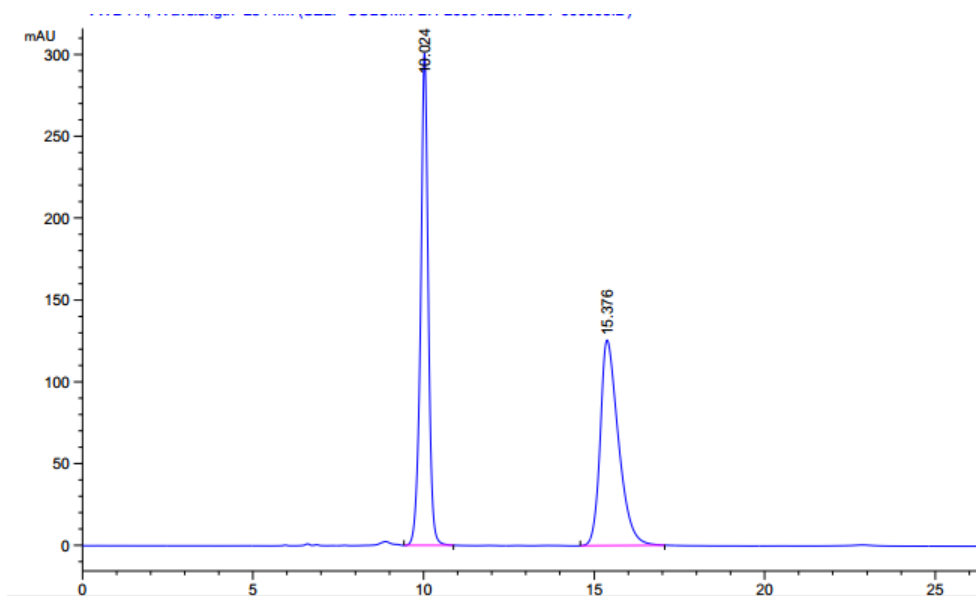
Welch Ultisil Amy-S

Trans Stilbene Oxide

	Chiralpak AS-H	Ultisil Amy-S
RT1	4.87	9.305
RT2	5.38	10.321
α	1.14	1.267
R	2.27	3.21



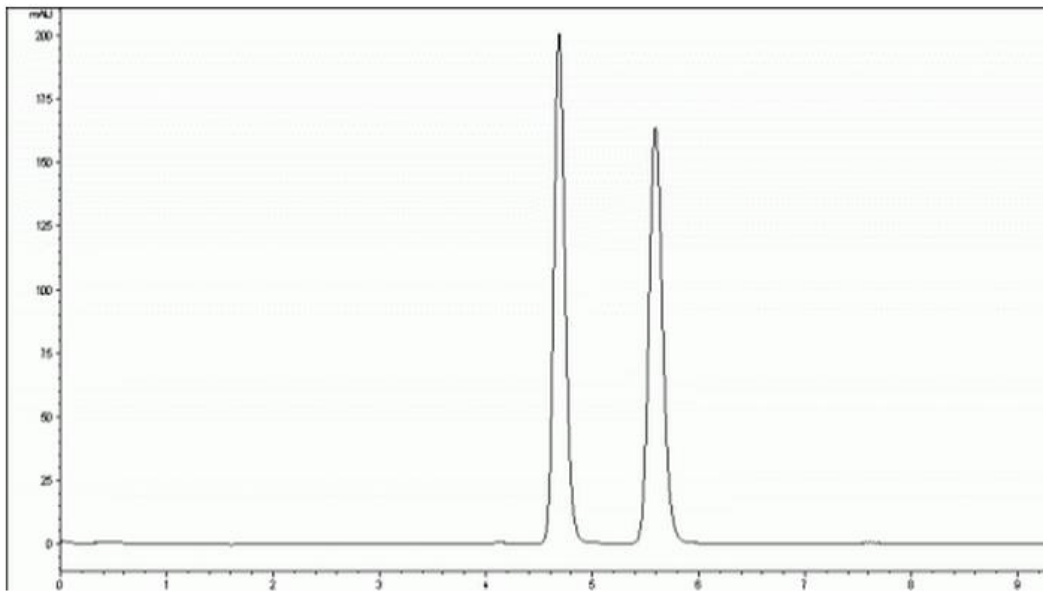
Daicel Chiralpak AS-H



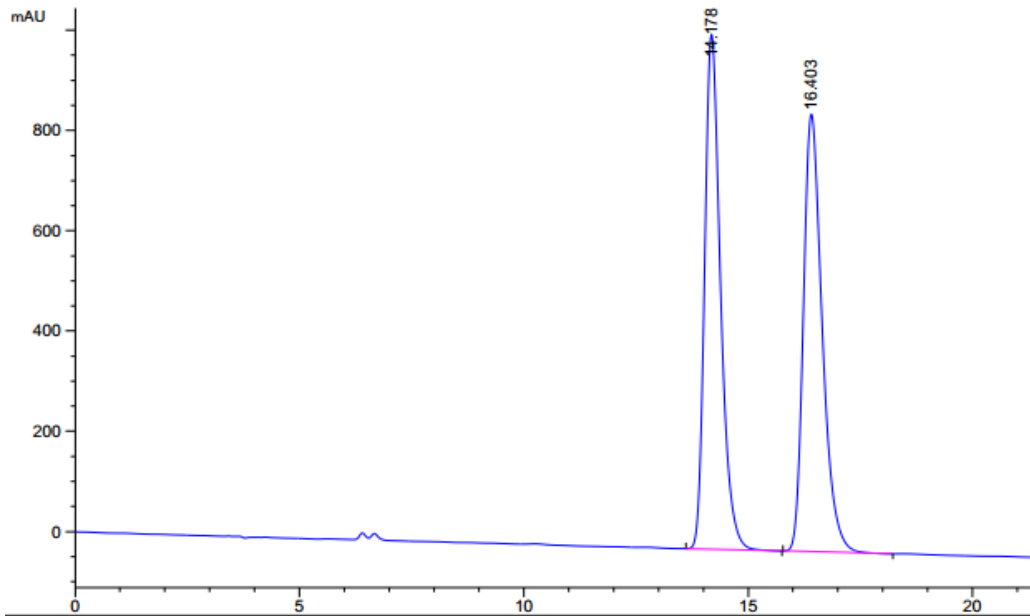
Welch Ultisil Amy-S

Troger's base

	Chiralpak AS-H	Ultisil Amy-S
RT1	5.38	10.024
RT2	8.23	15.376
α	2.27	1.53
R	6.76	8.13



Daicel Chiralpak AD-3



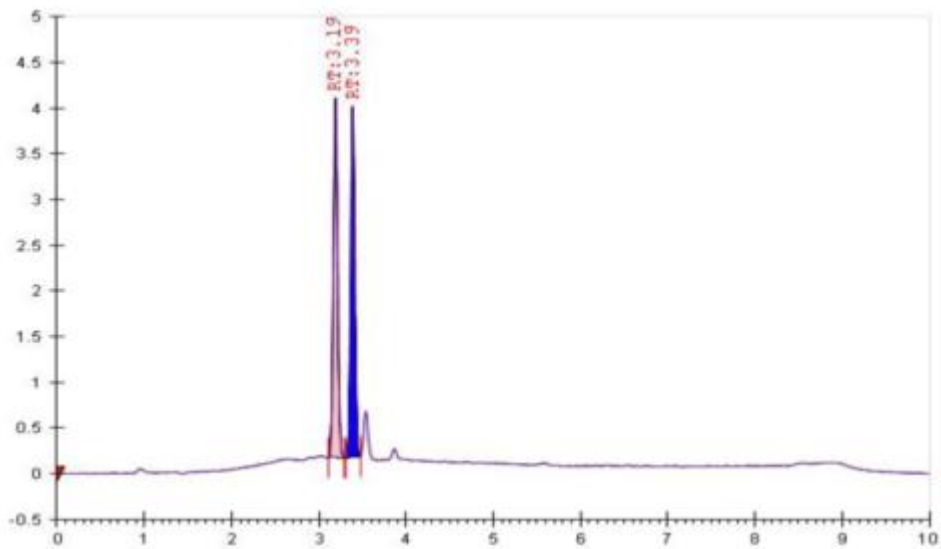
Welch Ultisil Amy-D

Ketoprofen

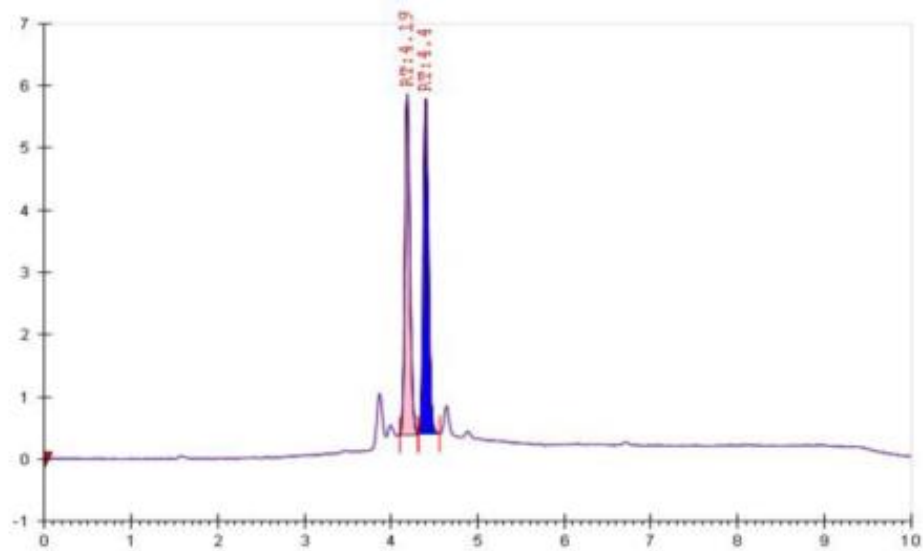
	Chiralpak AD-3	Ultisil Amy-D
RT1	4.69	14.178
RT2	5.59	16.403
α	1.29	1.21
R	4.31	3.28

Daicel Chiralcel and Welch Ultisil

WuXi AppTec Enantiomers (1-10)



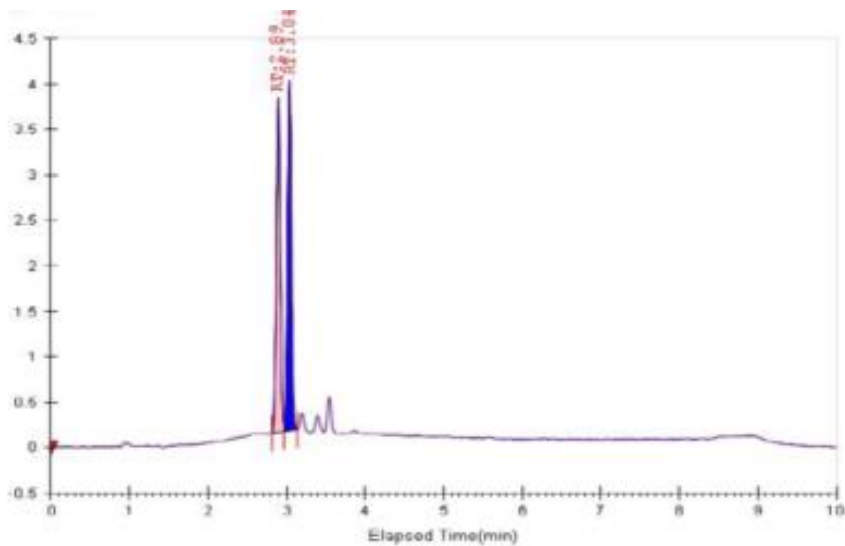
Daicel Chiralcel OD-3



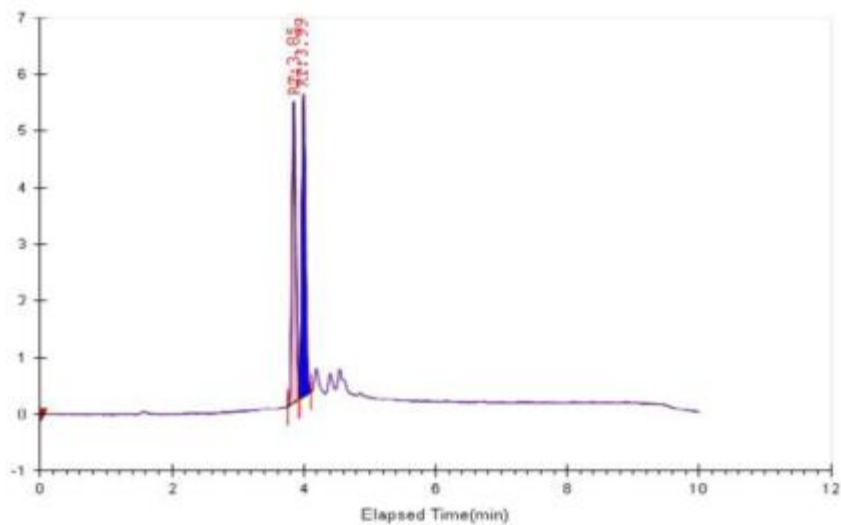
Welch Ultisil Cellu-D

WuXi AppTec 1

	Chiralcel OD-3	Ultisil Cellu-D
RT1	3.19	4.19
RT2	3.39	4.4
R	2.35	2.09



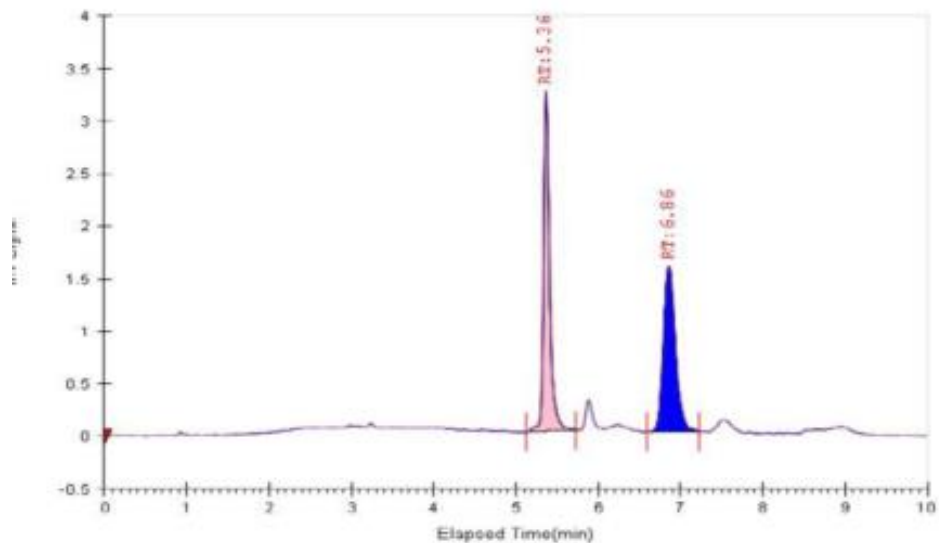
Daicel Chiralcel OD-3



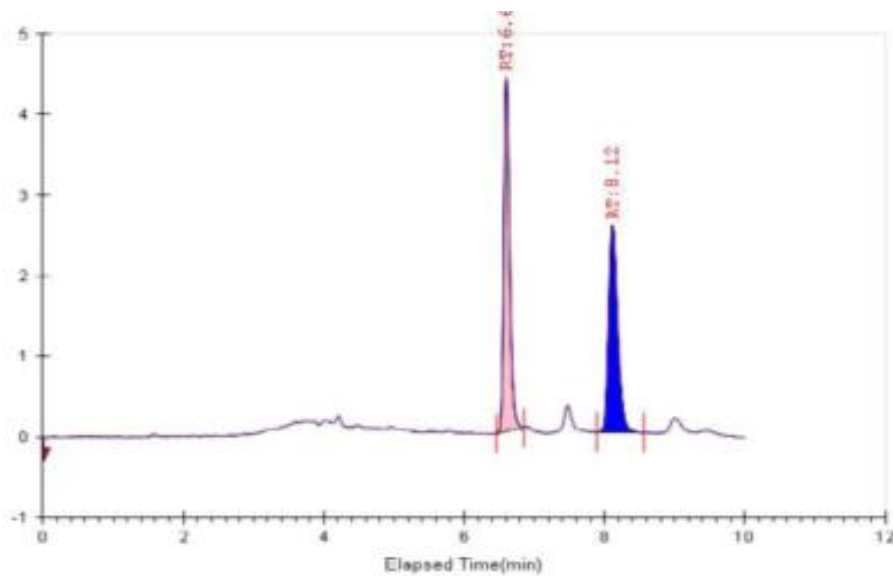
Welch Ultisil Cellu-D

WuXi AppTec 2

	Chiralcel OD-3	Ultisil Cellu-D
RT1	2.89	3.85
RT2	3.04	3.99
R	1.699	1.588



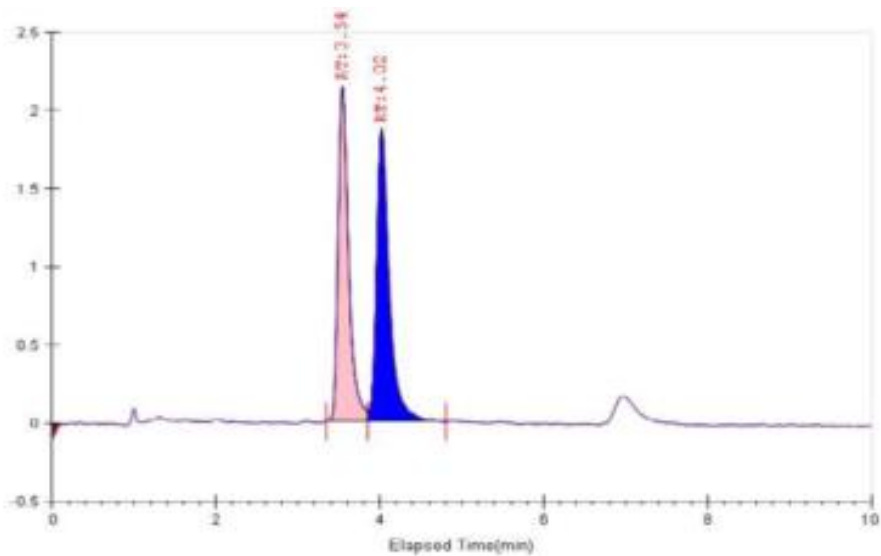
Daicel Chiralcel OD-3



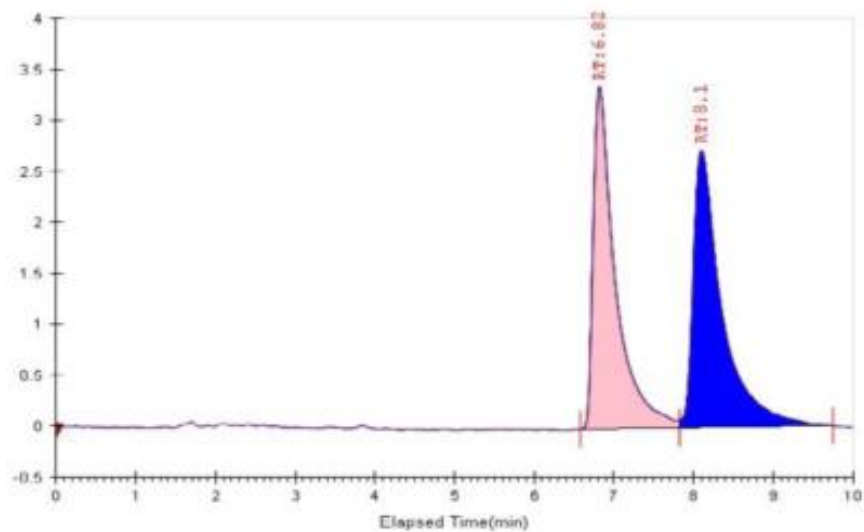
Welch Ultisil Cellu-D

WuXi AppTec 3

	Chiralcel OD-3	Ultisil Cellu-D
RT1	5.72	6.6
RT2	7.21	8.12
R	8.43	8.575



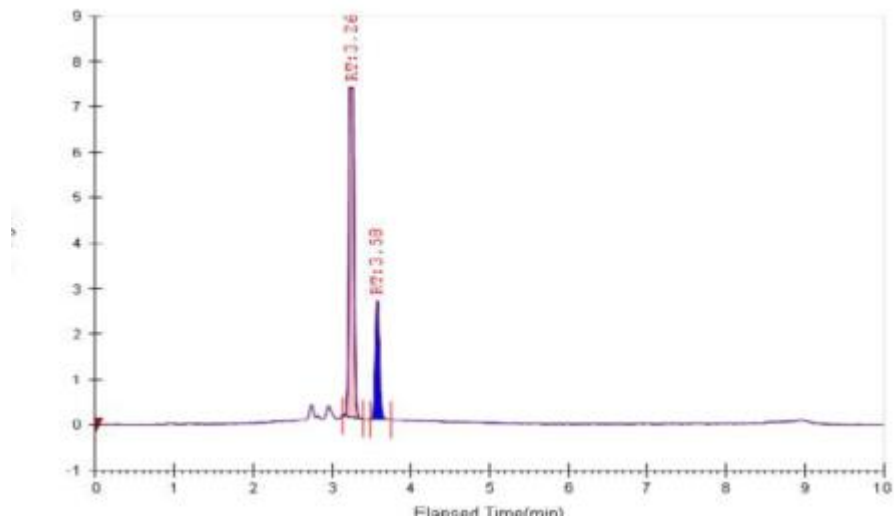
Daicel Chiralcel OD-3



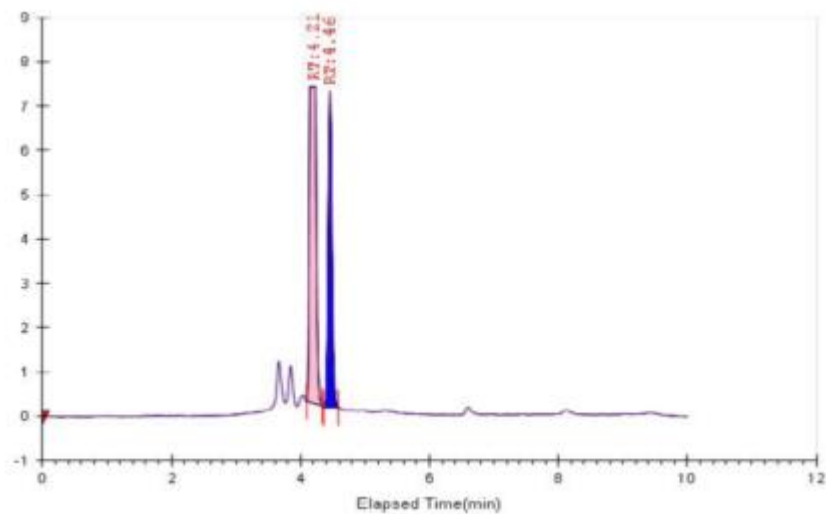
Welch Ultisil Cellu-D

WuXi AppTec 4

	Chiralcel OD-3	Ultisil Cellu-D
RT1	3.54	6.82
RT2	4.02	8.10
R	2.11	2.64



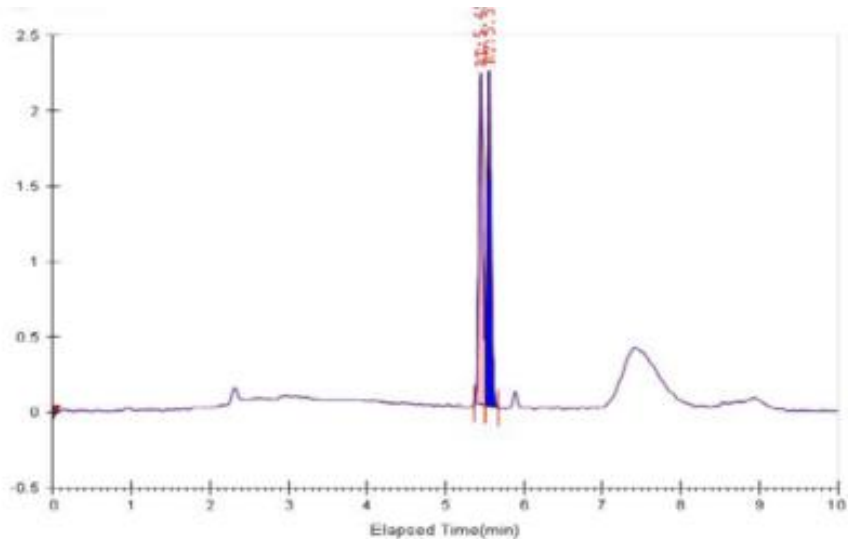
Daicel Chiralcel OD-3



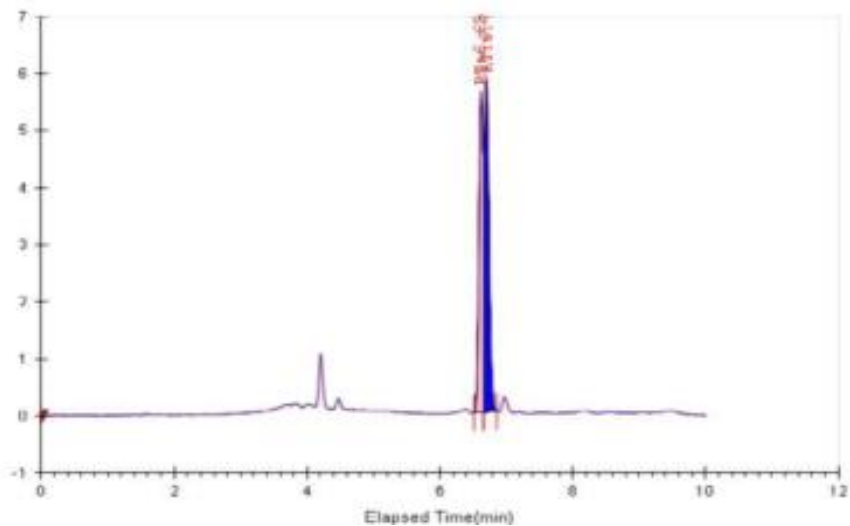
Welch Ultisil Cellu-D

WuXi AppTec 5

	Chiralcel OD-3	Ultisil Cellu-D
RT1	3.26	4.21
RT2	3.58	4.46
R	3.10	1.76



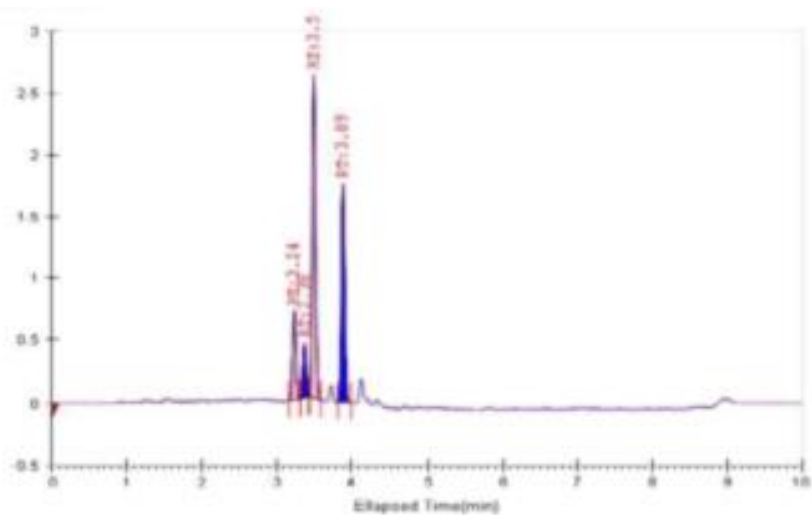
Daicel Chiralcel OD-3



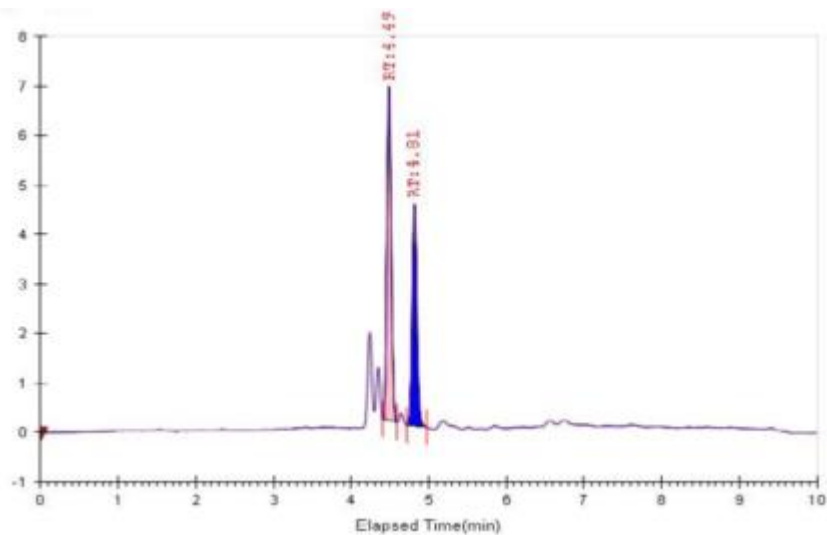
Welch Ultisil Cellu-D

WuXi AppTec 6

	Chiralcel OD-3	Ultisil Cellu-D
RT1	5.50	6.62
RT2	5.66	6.7
R	1.39	0.589



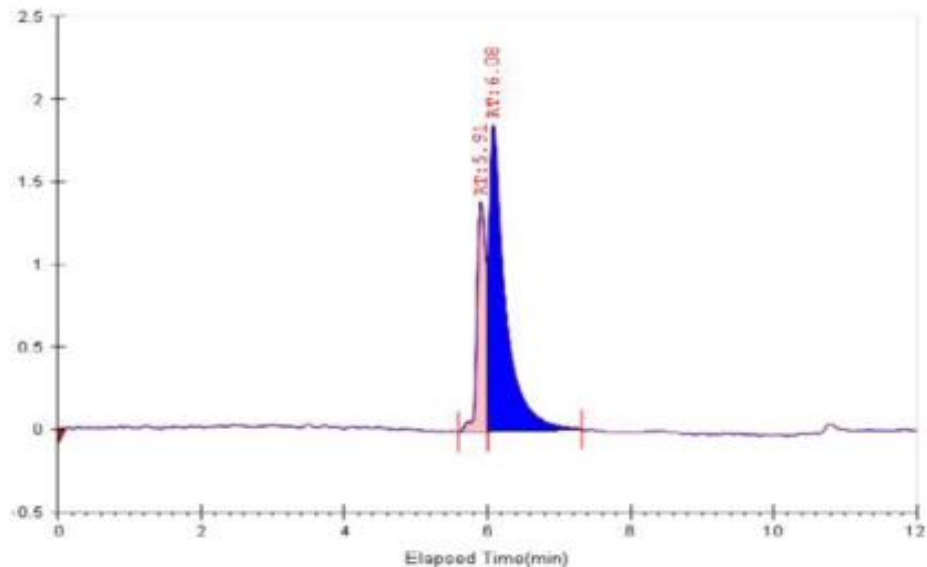
Daicel Chiralcel OD-3



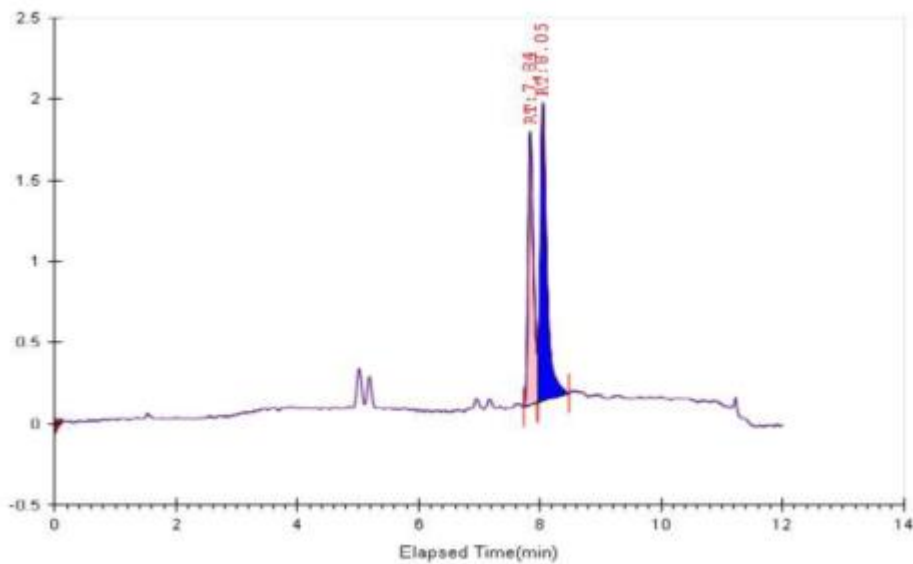
Welch Ultisil Cellu-D

WuXi AppTec 7

	Chiralcel OD-3	Ultisil Cellu-D
RT1	3.5	4.49
RT2	3.89	4.81
R	1.82	3.20



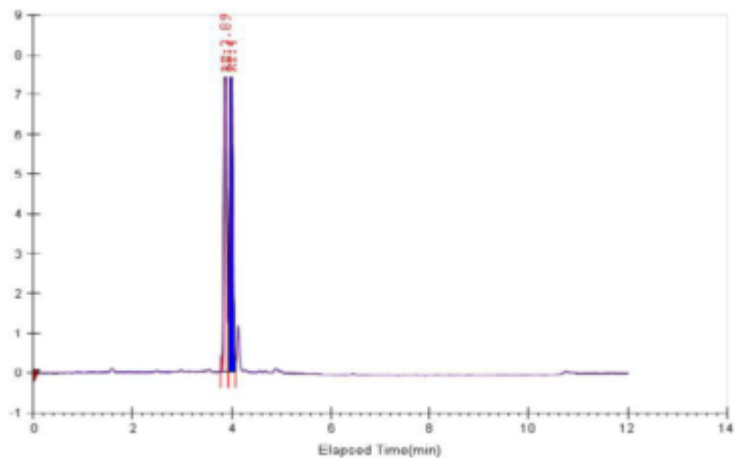
Daicel Chiralcel OD-3



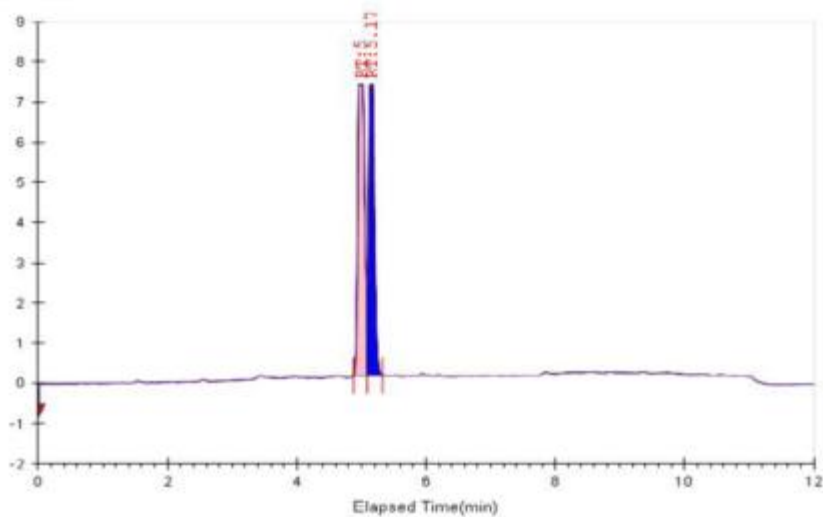
Welch Ultisil Cellu-D

WuXi AppTec 8

	Chiralcel OD-3	Ultisil Cellu-D
RT1	5.91	7.84
RT2	6.08	8.05
R	0.561	1.528



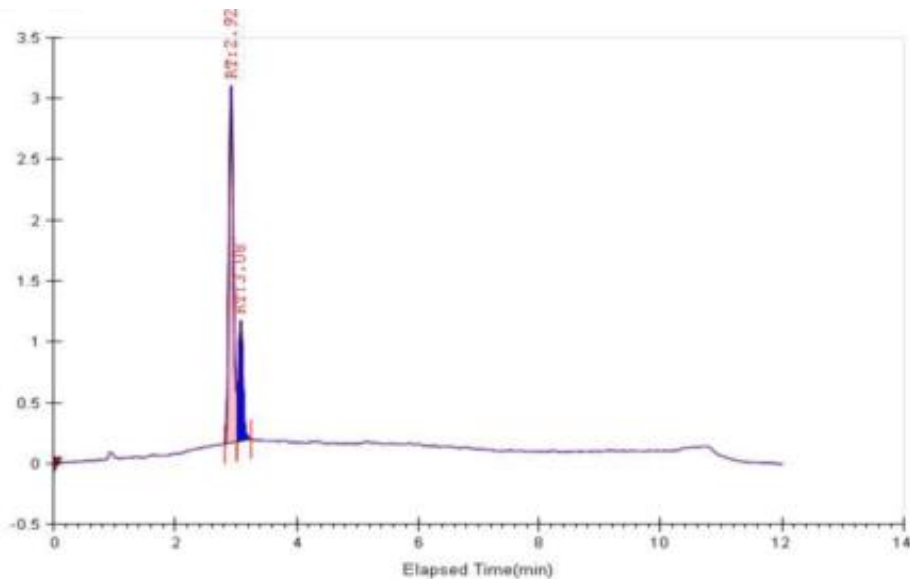
Daicel Chiralcel OD-3



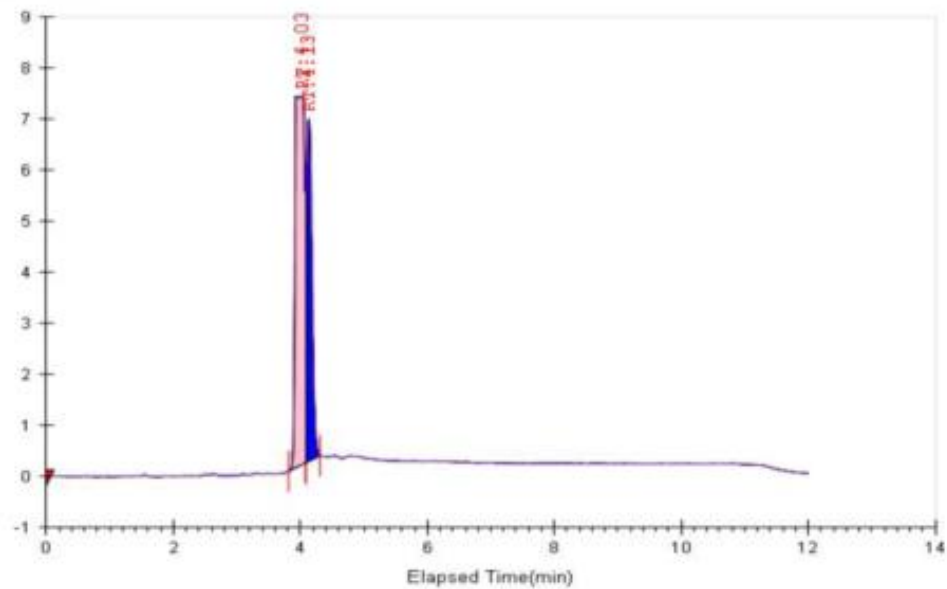
Welch Ultisil Cellu-D

WuXi AppTec 9

	Chiralcel OD-3	Ultisil Cellu-D
RT1	3.89	5.00
RT2	4.00	5.17
R	1.123	1.176



Daicel Chiralcel OD-3



Welch Ultisil Cellu-D

WuXi AppTec 10

	Chiralcel OD-3	Ultisil Cellu-D
RT1	2.92	4.03
RT2	3.08	4.13
R	1.55	0.42

Welch Ultisil Chiral HPLC Columns (coated)

Part No.	Description
00219-31041	HPLC Column: Ultisil® Cellu-D, 5µm, 4.6×150mm
00219-31043	HPLC Column: Ultisil® Cellu-D, 5µm, 4.6×250mm
00262-31041	HPLC Column: Ultisil® Cellu-DR, 5µm, 4.6×150mm
00262-31043	HPLC Column: Ultisil® Cellu-DR, 5µm, 4.6×250mm
00221-31041	HPLC Column: Ultisil® Amy-D, 5µm, 4.6×150mm
00221-31043	HPLC Column: Ultisil® Amy-D, 5µm, 4.6×250mm
00264-31041	HPLC Column: Ultisil® Amy-DR, 5µm, 4.6×150mm
00264-31043	HPLC Column: Ultisil® Amy-DR, 5µm, 4.6×250mm
00218-31041	HPLC Column: Ultisil® Cellu-J, 5µm, 4.6×150mm
00218-31043	HPLC Column: Ultisil® Cellu-J, 5µm, 4.6×250mm
00261-31041	HPLC Column: Ultisil® Cellu-JR, 5µm, 4.6×150mm
00261-31043	HPLC Column: Ultisil® Cellu-JR, 5µm, 4.6×250mm
00220-31041	HPLC Column: Ultisil® Amy-S, 5µm, 4.6×150mm
00220-31043	HPLC Column: Ultisil® Amy-S, 5µm, 4.6×250mm
00263-31041	HPLC Column: Ultisil® Amy-SR, 5µm, 4.6×150mm
00263-31043	HPLC Column: Ultisil® Amy-SR, 5µm, 4.6×250mm

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<http://new.welchmat.com/english/index.aspx>

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