

It's time for you to re-think what you know about HPLC columns for methods development : Symmetry / Waters Corporation.

Contributors

Waters Corporation.

Publication/Creation

[Milford, Mass.] : Waters Corporation, 1994.

Persistent URL

<https://wellcomecollection.org/works/q4qzs42e>

License and attribution

Conditions of use: it is possible this item is protected by copyright and/or related rights. You are free to use this item in any way that is permitted by the copyright and related rights legislation that applies to your use. For other uses you need to obtain permission from the rights-holder(s).

**wellcome
collection**

Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>



It's time for you to re-think

what you know about

HPLC columns for

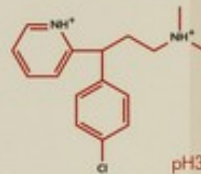
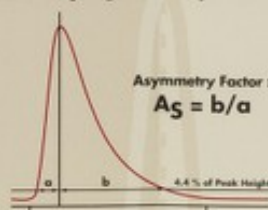
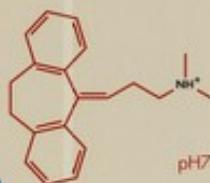
Methods Development

A technical drawing of a symmetrical mechanical part, shown in a half-view with a dashed line indicating the hidden half. The part has a central vertical axis of symmetry. The top part is a pointed, conical shape. The bottom part is a cylindrical base with a circular cross-section. The drawing is overlaid on a light blue background.

SymmetryTM

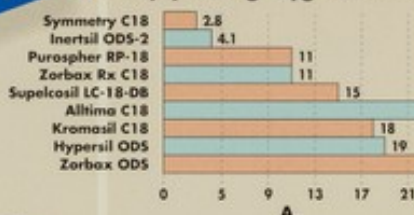
Symmetry™

Quantifying Peak Symmetry



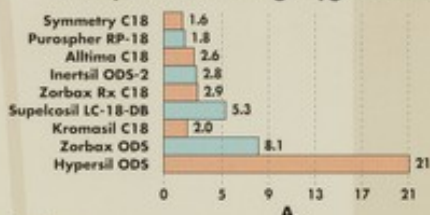
You can get Superior Peak Shape every time - even with Basic Compounds over the entire pH range (2-8)

Amitriptyline A_S -C18 Columns



Conditions :
 Mobile phase : 20mM pH 7.0 KH_2PO_4/K_2HPO_4 ; Methanol (35:65 v/v)
 Injection volume : 20nl for 3.9x150mm, 28nl for 4.6x150mm columns; scaled to column volume
 Flow rate : 1.0 ml/min for 3.9mm i.d., 1.4 ml/min for 4.6mm i.d. columns
 Detection : Absorbance at 254nm
 Column temperature : 23°C
 All new columns, equilibrated 60min in mobile phase

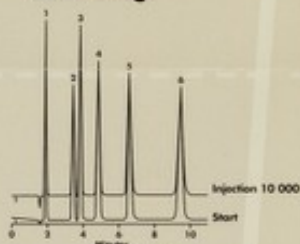
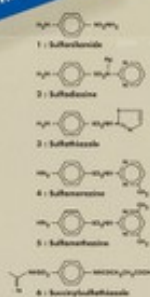
Chlorpheniramine A_S -C18 Columns



Conditions :
 Mobile phase : 50mM pH 3.0 KH_2PO_4/K_2HPO_4 ; Acetonitrile (80:20 v/v)
 Injection volume : 10nl for 3.9x150mm, 14nl for 4.6x150mm columns; scaled to column volume
 Flow rate : 1.5 ml/min for 3.9mm i.d., 2.1 ml/min for 4.6mm i.d. columns
 Detection : Absorbance at 230nm
 Column temperature : 23°C
 All new columns, equilibrated 60min in mobile phase

Consistent quality throughout all the long lifetime of your column

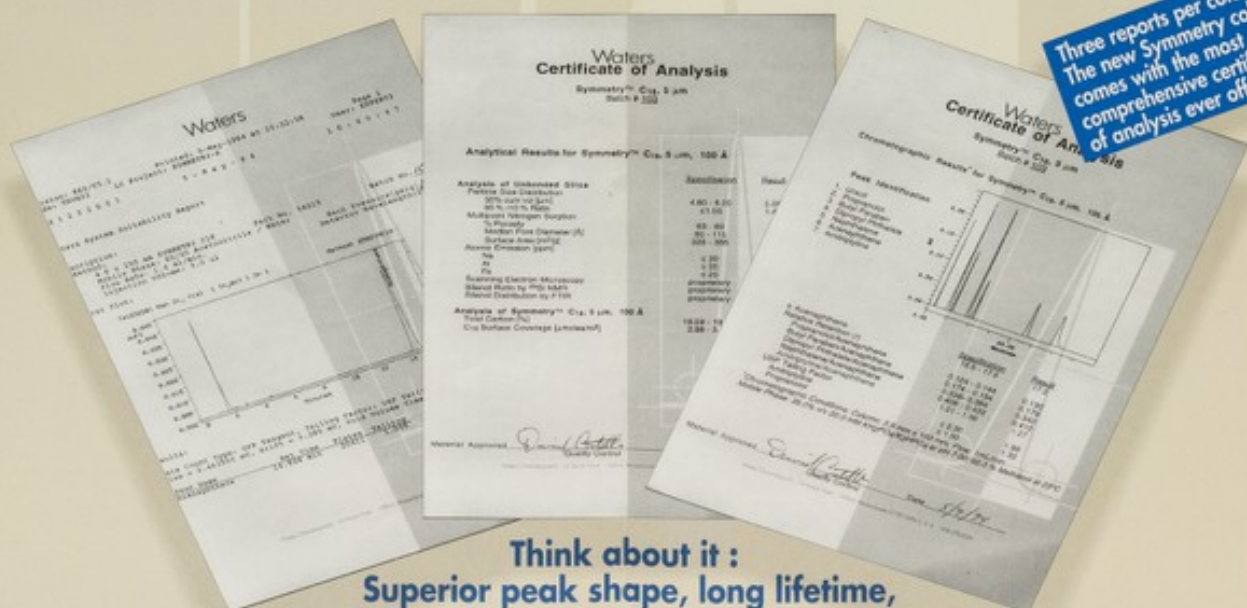
Chromatogram of Lifetime Test : Sulfa Drugs



Column : Symmetry™ C8 3.9 mm x 150 mm with Sentry™ Guard
 Column 3.9 mm x 20 mm water/methanol/glacial acetic acid 79:20:1



Forget about 'good enough' reproducibility; Symmetry virtually eliminates column-to-column and batch-to-batch variability.



Three reports per column. The new Symmetry column comes with the most comprehensive certificate of analysis ever offered

Think about it :
 Superior peak shape, long lifetime,
 unmatched reproducibility...
 and the data to prove it.

Waters

Austria, European Export (Africa,
Central Europe, CIS and Middle East)
Hietzinger Hauptstrasse 145
1130 Wien
Tel. 1 - 8771807
Fax 1 - 8771808

Belgium and Luxemburg
Rue de la Fusée 60
Raketstraat 60
1130 Brussels
Tel. 02 - 726 1000
Fax 02 - 726 1100

Brazil
Rua Prof. Campos de Oliveira,
430CEP 04675 Sao Paulo-SP
Tel. (011) 548 - 7011
Telex 11 57751 MILY BR
Telefax (011) 548 - 7923

Czech Republic & Slovakia
Ricanova 19
16 900 Praha 6
Tel. 42 - 2 - 35 23 75
Fax 42 - 2 - 35 02 27

Denmark
Baldersbuen 46
2640 Hedehusene
Tel. 46 - 59.80.80
Fax 46 - 59.85.85

Finland
Kuparitie 1
00440 Helsinki
Tel. 90 - 506 41 40
Fax 90 - 506 41 411

France
B.P. 608
78056 St. Quentin Yveline
Tel. 1 - 30 48 72 00
Fax 1 - 30 42 72 01

Germany
Hauptstr. 87
65760 Eschbron
Tel. 06196 - 400600
Fax 06196 - 482388

Hungary
Andor ut 47/49
1119 Budapest
Tel. 36 - 162-0686
Fax 36 - 185-3236

Italy
Via B. Buoizzi 4
20090 Vimodrone MI
Tel. 02 - 250781
Fax 02 - 2650324

México
Avenida Ingenieros Militares 85-PB
México 11230 D.F.
Tel. (525) 576-96-88
Fax (525) 576-87-06

Distribuidora Rodval S.A.
Ave. Francisco I. Madero 1955
Pte. Desp. 735
Col. Centro
64000 Menterrey, N.L.
Tel. 83 / 33 40 73
Fax 83 / 33 33 48

Filtros Grove S.A. de C.V.
Isla Magdalena 1839
Col. Jardines de la Cruz
M 44950 Guadalajara, Jal.
Tel. 3 / 611 65 61
Fax 3 / 611 39 89

Norway
Enebakkveien 119
0680 Oslo
Tel. 22 - 19 53 60
Fax 22 - 19 53 62

Poland
ul. Jasnodworska 7
01-745 Warszawa
Tel. 48 - 2669 1225
Fax 48 - 2663 7033

Spain
Entenza 24 - planta bajo
08015 Barcelona
Tel. 93 - 325.96.16
Fax 93 - 325.98.96

Avda del Lano Castellno, 13-3°
28034 Madrid
Tel. (91) 729 03 00
Fax (91) 729 29 09

Sweden
Box 7024
172 07 Sundbyberg
Tel. 08 - 62 82 440
Fax 08 - 62 82 455

Switzerland
Chriesbaumstrasse 6
8604 Volketswil
Tel. 01 - 9462666
Fax 01 - 9453790

The Netherlands
Penningweg 33
Postbus 379
4870 AJ Etten-Leur
Tel. 01608 - 15151/22000
Fax 01608 - 14773

UK and Ireland
The Boulevard
Blackmoor Lane
Watford, Herts, WD1 8YW
Tel. 01923 - 816700
Fax 01923 - 219012

All other countries
34 Maple Street
Miford MA 01757 USA
Tel. (508) 478 - 2000
Fax (508) 478 - 6963

Trademarks

Nova-Pak, Symmetry Waters Corp.
Hypersil Shandon Scientific Ltd.
Alltima Alltech Associates
Zorbax The DuPont Company
Inertsil GL Sciences
Purospher E. Merck
Supelcosil Supelco, Inc.
Kromasil Eka-Nebel

Waters