

New answers to your most demanding HPLC applications / Waters.

Contributors

Millipore Corporation.
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**wellcome
collection**

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

**Austria, Central Europe,
Middle-East, Gulf and C.I.S.**
Millipore Ges.m.b.H.
Hietzinger Hauptstrasse 145
A-1130 Wien
Tel. 1 - 8778926
Fax 1 - 8771654

Belgium and Luxembourg
Millipore S.A. - N.V.
Raketstraat 60
Rue de la Fusée 60
1130 Brussels
Tel. 02 - 242.1740
Fax 02 - 242.2785

Czech Republic
Millipore (Austria) Ges.m.b.H.
Obchodni Zastoupeni
Ricanova 21
16900 Praha 6
Tel. 42 - 2 - 35 23 75
Fax 42 - 2 - 35 02 27

Denmark
Millipore A/S
Baldersbuen 46
2640 Hedehusene
Tel. 46 - 59.00.23
Fax 46 - 59.13.14

Finland
Millipore Oy
Lanttikatu 2
02770 Espoo
Tel. 90 - 804 51 10
Fax 90 - 859 66 16

France
Millipore S.A.
B.P. 307 - 78054 St-Quentin
Yvelines Cedex
Tel. 1 - 30.12.70.00
Fax 1 - 30.12.71.80

Germany
Millipore GmbH
Postfach 5647
65731 Eschborn
Tel. 06196 - 494-0
Fax 06196 - 43901

Hungary
Millipore kft
Andor ut 47-49
1119 Budapest
Tel. 36 - 11 - 62 06 86
Fax 36 - 11 - 85 32 36

Italy
Millipore S.p.A.
Via B. Buozzi 4 / 20090 Vimodrone Mi
Tel. 02 - 250781
Fax 02 - 2650324

Norway
Millipore AS
Postboks 39, Simensbråten
1107 Oslo
Tel. 02 - 67 82 53
Fax 02 - 68 53 15

Poland
Millipore (Austria) Ges.m.b.H.
U1 Jasnodwarska 7 / 01745 Warszawa
Tel. 48 - 2 669 12 25
Fax 48 - 2 663 70 33

Spain
Millipore Iberica S.A.
Entenza 24 - planta bajo
08015 Barcelona
Tel. 93 - 325.96.16
Fax 93 - 325.98.96

Sweden
Millipore AB
Box 7090 / 17207 Sundbyberg
Tel. 08 - 62 86 960
Fax 08 - 62 86 457

Switzerland
Millipore AG
Chriesbaumstrasse 6 / 8604 Volketswil
Tel. 01 - 9453242
Fax 01 - 9453766

The Netherlands
Millipore B.V.
Penningweg 33 / Postbus 166
4870 AD Eften-Leur
Tel. 01608 - 22000
Fax 01608 - 22436

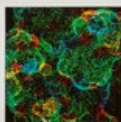
UK and Ireland
Millipore (UK) Ltd
The Boulevard / Blackmoor lane
WD1 8YW Watford, Herts
Tel. 0923 - 816375
Fax 0923 - 818297

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

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NEW ANSWERS TO YOUR MOST DEMANDING HPLC APPLICATIONS

Waters



SELECTION

A rapid way to select the right chemistry for your application on 50 mm length columns.



OPTIMISATION

A complete range of Nova-pak 4µ spherical chemistries is available in 50mm, 100mm and 150mm lengths to give you the choice between speed and resolution.



PROTECTION

The best way to protect your column without losing resolution.



CONFIGURATION

The well known µBondapak and high efficiency Nova-Pak packing materials are now available in 4.6mm ID cartridges (150mm and 250mm length) to respond to validation protocols using the USP specifications. They are also available in 2mm ID columns for solvent saving.



VALIDATION

When it is time to validate your method, make sure that the column you choose will pass the test of time. We propose a kit of three columns, kept from the same batch to check the column to column reproducibility and one from another batch to confirm the batch to batch consistency.

Kit Description	Dimension	Part No.
Method Development Scouting Kit includes CE, Phenyl and CN columns	3.9mm x 50mm	WAT044255
Reverse Phase Scouting Kit includes C18, C8 and Phenyl columns	3.9mm x 50mm	WAT044360
End fitting kit for 3.9 and 4.6mm ID (any length column) (includes 2 sets of reusable endfittings, 2 C-clips and Kalrez O-rings)		WAT037525

Nova-pak Steel cartridges	Dimensions	Quantity per box	Part No.
C18	3.9mm x 50mm	1	WAT052780
	3.9mm x 50mm	3	WAT052834
	3.9mm x 50mm	3	WAT052775
C8	3.9mm x 50mm	1	WAT052775
	3.9mm x 50mm	3	WAT052830
	3.9mm x 50mm	3	WAT052790
Phenyl	3.9mm x 50mm	1	WAT052832
	3.9mm x 50mm	3	WAT052785
	3.9mm x 50mm	3	WAT052838
CN	3.9mm x 50mm	1	WAT052810
	3.9mm x 50mm	3	WAT052805
	3.9mm x 50mm	3	WAT052800
C18	3.9mm x 100mm	1	WAT052800
	3.9mm x 100mm	1	WAT052795
	3.9mm x 150mm	1	WAT034975
C8	3.9mm x 150mm	3	WAT037520
	3.9mm x 150mm	1	WAT034985
	3.9mm x 150mm	3	WAT054870
Phenyl	3.9mm x 150mm	1	WAT034970
	3.9mm x 150mm	3	WAT054890
	3.9mm x 150mm	1	WAT044243
ON	3.9mm x 150mm	3	WAT044445
	3.9mm x 150mm	1	WAT034980
	3.9mm x 150mm	3	WAT054880
Silica	3.9mm x 150mm	3	WAT054880
End fitting kit for 3.9 and 4.6mm ID (any length column) (includes 2 sets of reusable endfittings, 2 C-clips and Kalrez O-rings)			WAT037525

Packing Material	Chemistry	Part No.
Nova-Pak	C18	WAT044380
	C8	WAT046830
	Phenyl	WAT046835
	Silica	WAT046845
µBondapak	C18	WAT044480
	Phenyl	WAT046850
	CN	WAT046855
	NH2	WAT046865
µPorasil	Silica	WAT046860
PureSil	C18	WAT046870
Delta-Pak	C4-100Å	WAT046875
	C18-100Å	WAT046880
	C4-300Å	WAT046885
	C18-300Å	WAT046890
Carbohydrate		WAT046895
Resolve	C18	WAT046915
	C8	WAT046920
	CN	WAT046925
SENTRY Universal Guard Holder fits with any type of analytical column		WAT046910
SENTRY Integrated Guard Holder for Waters Steel Cartridges		WAT046905

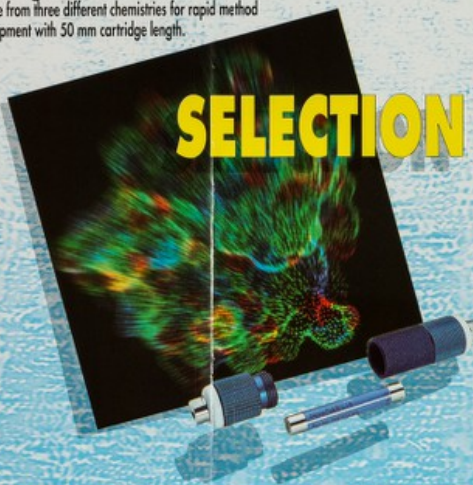
Steel Cartridge	Particle size	Pore size	Dimensions	Part No.
Nova-Pak C18	4µm	60Å	4.6mm x 150mm	WAT052845
			4.6mm x 250mm	WAT052840
Nova-Pak C8	4µm	60Å	4.6mm x 150mm	WAT052855
			4.6mm x 250mm	WAT052850
µBondapak C18	10µm	125Å	4.6mm x 250mm	WAT052860
End fitting kit for 3.9 and 4.6mm ID (any length column) (includes 2 sets of reusable endfittings, 2 C-clips and Kalrez O-rings)				WAT037525
Column	Particle size	Pore size	Dimensions	Part No.
Nova-Pak C18	4µm	60Å	2mm x 150mm	WAT023655
Nova-Pak C8	4µm	60Å	2mm x 150mm	WAT052735
Nova-pak Phenyl	4µm	60Å	2mm x 150mm	WAT052740
Nova-pak Silica	4µm	60Å	2mm x 150mm	WAT052745
µBondapak C18	10µm	125Å	2mm x 200mm	WAT086609
Delta-Pak C18	5µm	300Å	2mm x 150mm	WAT023650

Kit Description	Dimension	Part No.
Waters Method Validation Kit	3.9mm x 150mm	WAT052770
Includes 3 Nova-Pak C18, 4µ, Columns 2 from the same batch and 1 from a different batch, plus batch specification		

Scouting Kit

Choose from three different chemistries for rapid method development with 50 mm cartridge length.

SELECTION



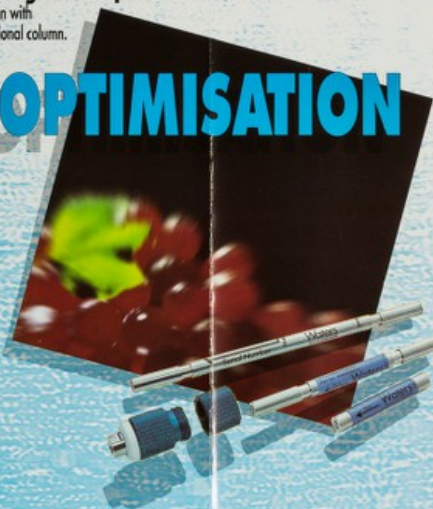
Column dimensions ideal for referenced methods

If you have a preference for column dimensions (USP methods or solvent saver diameter), Waters offers you a choice between 3.9, 4.6 and 2 mm I.D.

Wide variety of lengths for optimal resolution

Economy of a cartridge column with the performance of a conventional column.

OPTIMISATION



Method Validation Kit

Two columns packed from the same batch material and one packed from a different batch to make sure your HPLC method stands the test of time.

PROTECTION



Sentry Guard Columns

Enhance efficiency and lifetime of your columns with universal or integrated Sentry Holders.

CONFIGURATION



VALIDATION



Waters

...AND WHEN
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VERY COMPLEX
SAMPLES

WHEN
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Waters

**Austria, Central Europe,
Middle East, Gulf and C.I.S.**
Milipore Ges.m.b.H.
Hettinger-Platzstrasse 143
A-1130 Wien
Tel. 1 - 8778926
Fax 1 - 8774544

Belgium and Luxembourg
Milipore S.A. - N.V.
Rabotstraat 60
Rue de la Fusée 80
1130 Brussels
Tel. 02 - 242.1740
Fax 02 - 242.2785

Czech Republic
Milipore (austriak) Ges.m.b.H.
Čechovská Záměstí
Brno 602 00
Tel. 42 - 2 - 25 23 25
Fax 42 - 2 - 25 23 25

Denmark
Milipore A/S
Baldersbane 86
2640 Hedehusene
Tel. 46 - 59 86 23
Fax 46 - 59 13 14

Finland
Milipore Oy
Lankalahti 2
02770 Espoo
Tel. 90 - 864 53 10
Fax 90 - 859 66 16

France
Milipore S.A.
B.P. 307 - 78054 St-Quentin
Toussain Cedex
Tel. 1 - 30 12 70 00
Fax 1 - 30 12 71 80

Germany
Milipore GmbH
Postfach 5647
43721 Evlingen
Tel. 06 796 - 454 0
Fax 06 796 - 439 0

Hungary
Milipore Kft.
Andor ut 47-49
1119 Budapest
Tel. 36 - 11 - 62 06 86
Fax 36 - 11 - 82 22 36

Italy
Milipore S.p.A.
Via B. Beccati 4 / 20090 Vinorena M.
Tel. 02 - 220781
Fax 02 - 2432034

Norway
Milipore AS
Rudskv. 20, Simonsbyen
1107 Oslo
Tel. 02 - 67 82 53
Fax 02 - 68 53 15

Poland
Milipore (austriak) Ges.m.b.H.
ul. Janowickiej 7 / 01743 Warszawa
Tel. 48 - 2 649 12 25
Fax 48 - 2 643 70 10

Spain
Milipore Benica S.A.
Calle de la Iglesia 16
08013 Barcelona
Tel. 93 - 225 96 16
Fax 93 - 225 96 96

Sweden
Milipore AB
Box 2590 / 17207 Sunbygd
Tel. 08 - 62 86 900
Fax 08 - 62 86 457

Switzerland
Milipore AG
Chriesbühlstrasse 6 / 8604 Volkenswil
Tel. 01 - 9433762
Fax 01 - 9433766

The Netherlands
Milipore B.V.
Ponningweg 33 / Postbus 166
4873 AC Breda
Tel. 01608 - 22000
Fax 01608 - 22436

UK and Ireland
Milipore (UK) Ltd
The Boulevard / Blackmore Lane
W3 9PW Watlington, Bucks
Tel. 0923 - 814375
Fax 0923 - 818297

All other countries
Milipore Corporation
24 Maple Street
Milford MA 01757 USA
Tel. (508) 479 - 2000
Fax (508) 479 - 4963

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