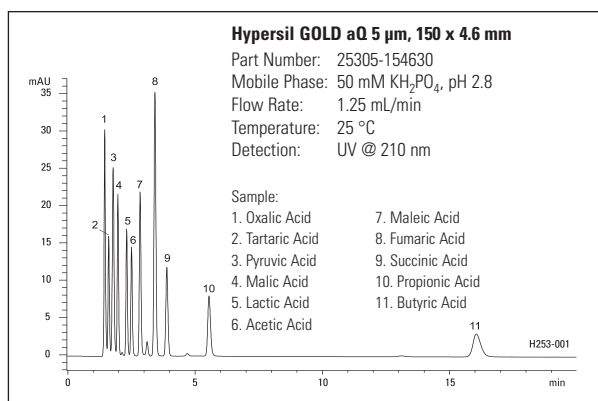


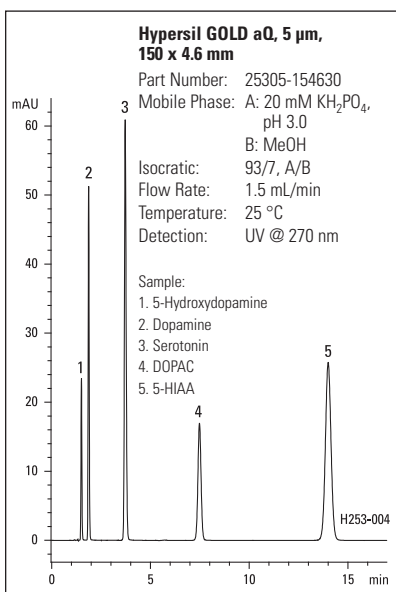
- Retention and resolution of polar analytes
- Ideal for highly aqueous mobile phases
- Polar endcapped C18 phase for alternative selectivity
- Excellent peak shapes
- Also available in 1.9 μm particle size

Hypersil GOLD aQ Columns

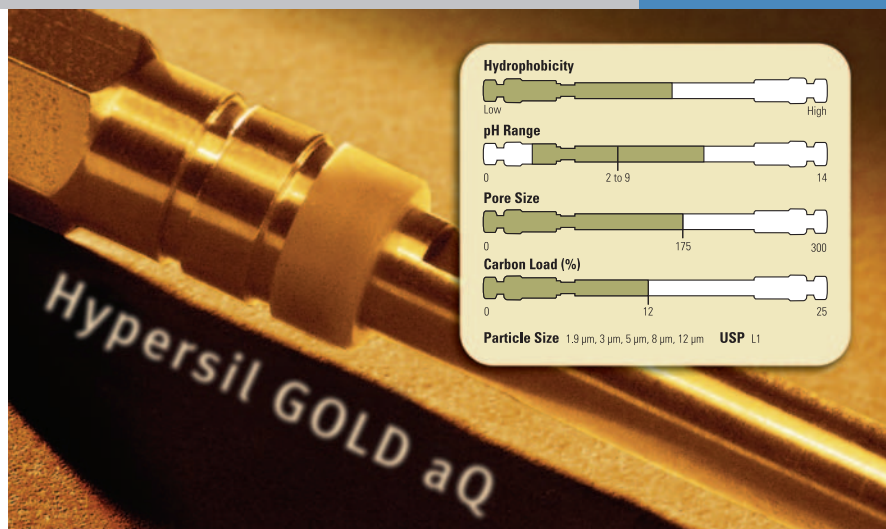
Enhanced retention and resolution of polar analytes



Resolution of 11 organic acids in aqueous mobile phase



Polar retention of Catecholamines



Retention and Resolution of Polar Analytes

Because Hypersil GOLD™ aQ is a polar endcapped C18 phase, it offers superior retention of polar compounds. Dispersive interactions are the primary mechanism of retention with alkyl chain bonded phases. The polar functional group used to endcap Hypersil GOLD aQ provides an additional interaction mechanism by which polar compounds can be retained and resolved. One of the benchmark applications of Hypersil GOLD aQ is the analysis of organic acids.

Polar Endcapped C18 Stationary Phase for Alternative Selectivity

The additional interaction mechanism often provides selectivity differences over the traditional alkyl chain chemistries, and offers a solution for the separation of polar compounds which exhibit insufficient retention on pure alkyl chain phases under typical reversed phase mobile phase conditions.

Ideal for Highly Aqueous Mobile Phases

The wettability of reversed phase media can be increased by the introduction of polar functional groups. The polar endcapping of Hypersil GOLD aQ media also makes it usable in 100% aqueous mobile phases without the risk of loss of performance or poor stability.

Excellent Peak Shapes

Hypersil GOLD aQ is built upon the technology of Hypersil GOLD silica, ensuring optimized peak shape, resolution, sensitivity and efficiency. Hypersil GOLD aQ provides only controlled secondary interactions to ensure excellent peak shape for all analyte types, making it ideal for the quantitative analysis of trace levels of polar analytes.

1.9 µm Hypersil GOLD aQ Columns

Particle Size	Length (mm)	3.0 mm ID	2.1 mm ID	1.0 mm ID	320 µm ID
1.9 µm	20	–	25302-022130	–	–
	30	25302-033030	25302-032130	25302-031030	–
	50	25302-053030	25302-052130	25302-051030	25302-050365
	100	–	25302-102130	25302-101030	25302-100365

Hypersil GOLD aQ Analytical Columns



Particle Size	Length (mm)	4.6 mm ID	4.0 mm ID	3.0 mm ID	2.1 mm ID	1.0 mm ID
3 µm	30	25303-034630	25303-034030	25303-033030	25303-032130	25303-031030
	50	25303-054630	25303-054030	25303-053030	25303-052130	25303-051030
	100	25303-104630	25303-104030	25303-103030	25303-102130	25303-101030
	150	25303-154630	25303-154030	25303-153030	25303-152130	25303-151030
5 µm	30	25305-034630	25305-034030	25305-033030	25305-032130	25305-031030
	50	25305-054630	25305-054030	25305-053030	25305-052130	25305-051030
	100	25305-104630	25305-104030	25305-103030	25305-102130	25305-101030
	150	25305-154630	25305-154030	25305-153030	25305-152130	25305-151030
	250	25305-254630	25305-254030	25305-253030	25305-252130	25305-251030

Hypersil GOLD aQ Drop-in Guard Cartridges (pk/4)



Particle Size	Length (mm)	4.6 mm ID	4.0 mm ID	3.0 mm ID	2.1 mm ID	1.0 mm ID
3 µm	10	25303-014001	25303-014001	25303-013001	25303-012101	25303-011001
5 µm	10	25305-014001	25305-014001	25305-013001	25305-012101	25305-011001
UNIGUARD Direct-Connect Drop-in Guard Cartridge Holder		850-00	850-00	852-00	852-00	851-00

Hypersil GOLD aQ KAPPA Capillary Columns

Particle Size	Length (mm)	500 µm ID	320 µm ID	180 µm ID	100 µm ID	75 µm ID
3 µm	50	25303-050565	25303-050365	25303-050265	–	–
	100	25303-100565	25303-100365	25303-100265	–	–
	150	25303-150565	25303-150365	25303-150265	–	–
5 µm	50	25305-050565	25305-050365	25305-050265	25305-050165	25305-050065
	100	25305-100565	25305-100365	25305-100265	25305-100165	25305-100065
	150	25305-150565	25305-150365	25305-150265	25305-150165	25305-150065

Hypersil GOLD aQ Capillary Guard Columns

Particle Size	Length (mm)	500 µm ID	320 µm ID	180 µm ID
3 µm	30	25303-030515	25303-030315	25303-030215
5 µm	30	25305-030515	25305-030315	25305-030215

Hypersil GOLD aQ PicoFrit Nanobore Columns



Particle Size	Length x ID x Tip (mm x µm x µm)	Single Pack Part Number	Multi Pack Part Number
5 µm	10 x 75 x 15	25305-017581	pack of 4 – 25305-017583
5 µm	50 x 75 x 15	25305-057581	pack of 3 – 25305-057582
5 µm	100 x 75 x 15	25305-107581	pack of 3 – 25305-107582

Hypersil GOLD aQ Specialized Column Hardware for High Throughput



Particle Size	Quantity	DASH HTS 20 x 2.1 mm	Javelin HTS 20 x 4.0 mm	Javelin HTS 20 x 2.1 mm	Javelin HTS 20 x 1.0 mm
5 µm	3	25305-022151	25305-024035	25305-022135	25305-021035
	10	25305-022152	25305-024036	25305-022136	25305-021036

Preparative and other column dimensions are available. Please call your local Customer Service for more information.

For more Hypersil GOLD applications, visit the **Chromatography Resource Center** at www.thermo.com/columns

©2006 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.



Thermo Electron Corporation,
Belleville, PA is ISO Certified.
Thermo Hypersil Ltd.,
Runcorn, UK is ISO Certified.

PS20325_E 12/06M

Australia +61 2 8844 9500
Austria +43 1 333 50340
Belgium +32 2 482 30 30
Canada +1 800 532 4752
China +86 10 5850 3588
Denmark +45 70 23 62 60

France +33 1 60 92 48 00
Germany +49 6103 408 1014
India +91 22 6742 9434
Italy +39 02 950 591
Japan +81 45 453 9100
Latin America +1 608 276 5659

Netherlands +31 76 587 98 88
South Africa +27 11 570 1840
Spain +34 91 657 4930
Sweden/Norway/Finland
+46 8 556 468 00
Switzerland +41 61 48784 00

UK +44 1442 233555
USA +1 800 532 4752

www.thermo.com

Thermo
SCIENTIFIC