PRÉSERVER
SAUVEGARDER
VALORISER

COLONNE CAPILLAIRE

FICHE N° 4049

Période de fabrication : 2000-2024
Fabricant : Agilent Technologies
Domaines : Chimie
Sous-domaines :
Organisme : Université de Rouen
Ville : Mont-Saint-Aignan
Modèle :
Matériaux : Polyamide

Description
Cette colonne capillaire Agilent Technologies est semblable à un long fil couleur cuivre enroulé en cercle sur une structure circulaire équipée de 7 crochets pour maintenir en place la colonne ainsi enroulée.

Utilisation
Cet instrument est utilisé dans les laboratoires de recherche du SMS (Sciences et Méthodes Séparatives) situé à Mont-Saint-Aignan. Il permet de séparer des composés selon leur affinité dans la phase dites "stationnaire". Le gaz traverse cette colonne en polyimide (polymère coloré) et les composants y sont "triés" selon leurs propriétés respectives. On peut adapter la longueur de la colonne en la coupant: le "trajet" sera alors plus long ou plus court. Mode d'emploi disponible dans la boîte et visible dans l'onglet "Médias associés".


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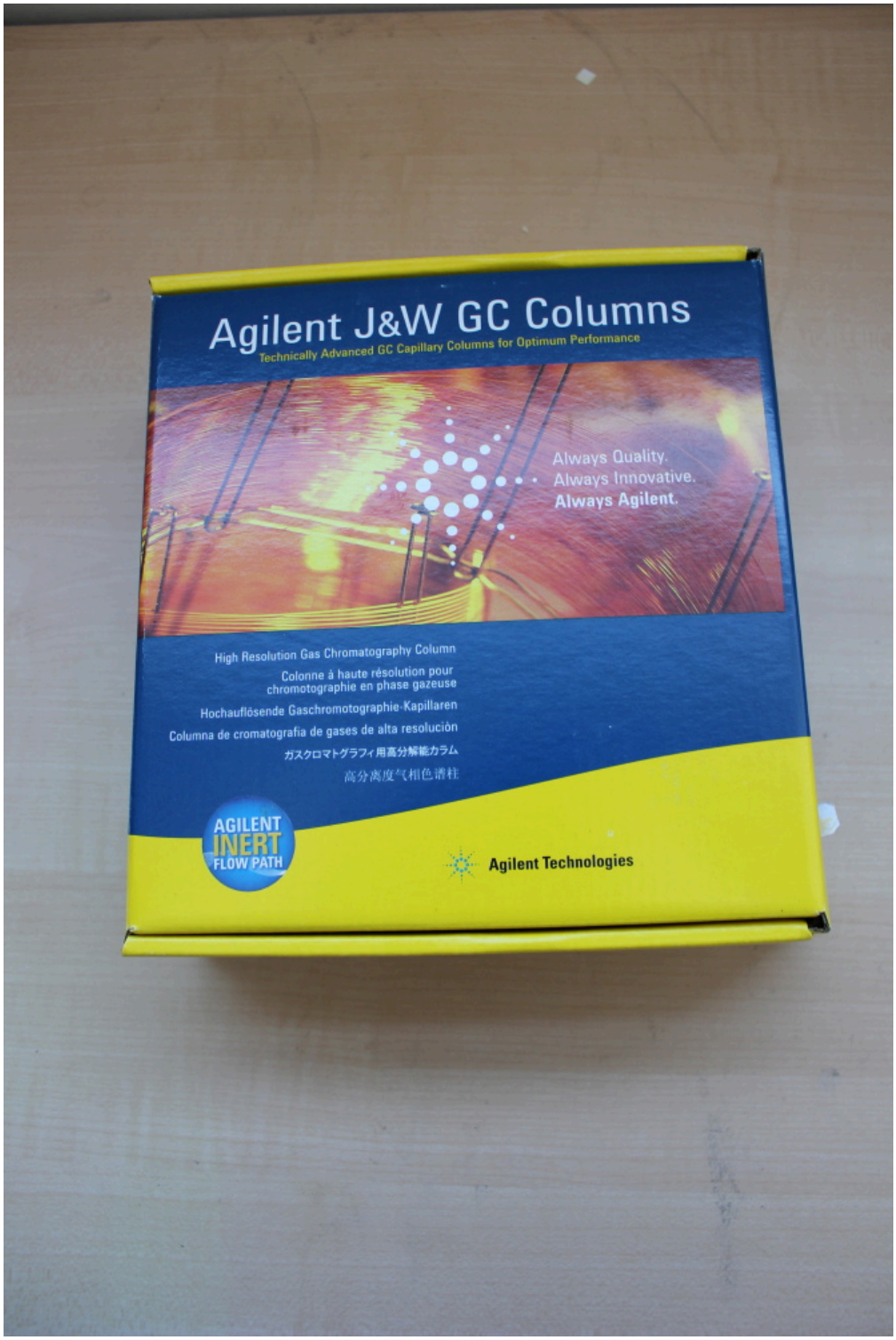
rformance Summary


Agilent Technologies, Inc.
123-5032
DB-5
30m X 0.320mm
0.25 Micron
-60 to 325/350C SN:USD158356H


Agilent J&W GC Columns
Technically Advanced GC Capillary Columns for Optimum Performance
Always Quality.
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High Resolution Gas Chromatography Column
Colonne à haute résolution pour chromotographie en phase gazeuse
Hochauflösende Gaschromotographie-Kapillaren
Columna de cromatografia de gases de alta resolución
ガスクロマトグラフィ用高分解能カラム
高分离度气相色谱柱
AGILENT INERT FLOW PATH
Agilent Technologies

Over 40 years of Agilent innovation

1974: Capillary GC Pioneer, Walt Jennings, cofounds J&W Scientific. J&W Scientific introduces the first all glass capillary bonded phase, quickly establishing an industry standard.

1979: Agilent, while a part of HP, invents fused silica capillary columns for gas chromatography, a breakthrough in flexibility and inertness. Also that year, J&W Scientific creates the first crossed-linked bonded stationary phase.

1984: J&W Scientific develops the Megabore GC Column – a flexible, high-resolution column that can perform separations three times faster than traditional packed columns.

1986: J&W Scientific introduces DB-624, the world's first designer stationary phase synthesized with a selectivity for a very specific application, VOCs in water.

1991: J&W Scientific introduces DB-5ms – the first commercial GC column stationary phase with lower column bleed using arylene technology.

1992: Agilent, while a part of HP, introduces HP-5ms columns, further raising the bar on low-bleed performance.

1998: Varian introduces the first bonded PLOT (PoraBOND) column, offering a stable bonded PLOT stationary phase for spike-free chromatography.

2000: Agilent acquires J&W Scientific to unite the DB and HP column families, creating Agilent J&W GC Columns.

2008: Agilent introduces Ultra Inert columns, setting a new standard for column inertness and QC testing with the industry's most rigorous test mixture. Agilent also acquires RVM Scientific and introduces patented LTM Technology.

2010: Agilent acquires Varian, making Agilent J&W GC columns the most extensive and innovative GC column offering in the industry.

nt J&W
GC Columns

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Agilent J&W Advanced Capillary GC Columns
When Agilent acquired J&W Scientific in 2000, it brought the world-renowned HP and DB column families together under one brand. And, when Agilent acquired Varian in 2010, we created the most extensive and innovative GC column portfolio in the world. That means you don't have to look far to find:
• Precision performance and sensitivity: Every Agilent J&W GC Column is individually tested against the industry's tightest quality-control specifications to make sure it meets the highest level of column-to-column reproducibility. These rigid performance criteria give you the utmost confidence in your qualitative and quantitative results, even for challenging compounds and matrices.
• Technically advanced GC columns for every application: Agilent offers the most comprehensive standard, GC/MS, application-specific and Ultra Inert stationary phases to fit a wide range of industries and applications.
And remember, when you buy columns from Agilent – the world's leading supplier and manufacturer of GC columns – you also get over 40 years of world-class chromatography expertise, global fast delivery and outstanding technical support.
To order additional columns and supplies, go to www.agilent.com/chem/store
To learn more about Agilent J&W GC columns, go to www.agilent.com/chem/myGCcolumns
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As the world leader in chromatography, Agilent is uniquely positioned to offer not only the widest selection of innovative GC columns but also industry-leading sample preparation products and supplies. All are engineered or selected by our experienced design teams, manufactured to our demanding specifications and tested under a variety of strict conditions. So Agilent's entire columns and supplies portfolio ensures a lifetime of peak performance for your instrument and maximum productivity in your lab.
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Agilent is committed to reducing its environmental impact.
See how at www.agilent.com/go/environment
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Part Number
122 – 5532UI
Made in U.S.A.
Durabond
DB – 5MS UI
Length (m)
30
Diam. (mm)
0.250
Narrowbore
Film (µm)
0.25
Temperature Limits:
From –60°C to 325°C (350°C)
Date Installed:
Rcvd By:
Serial Number
USD224124H
MADE IN ★ USA ★
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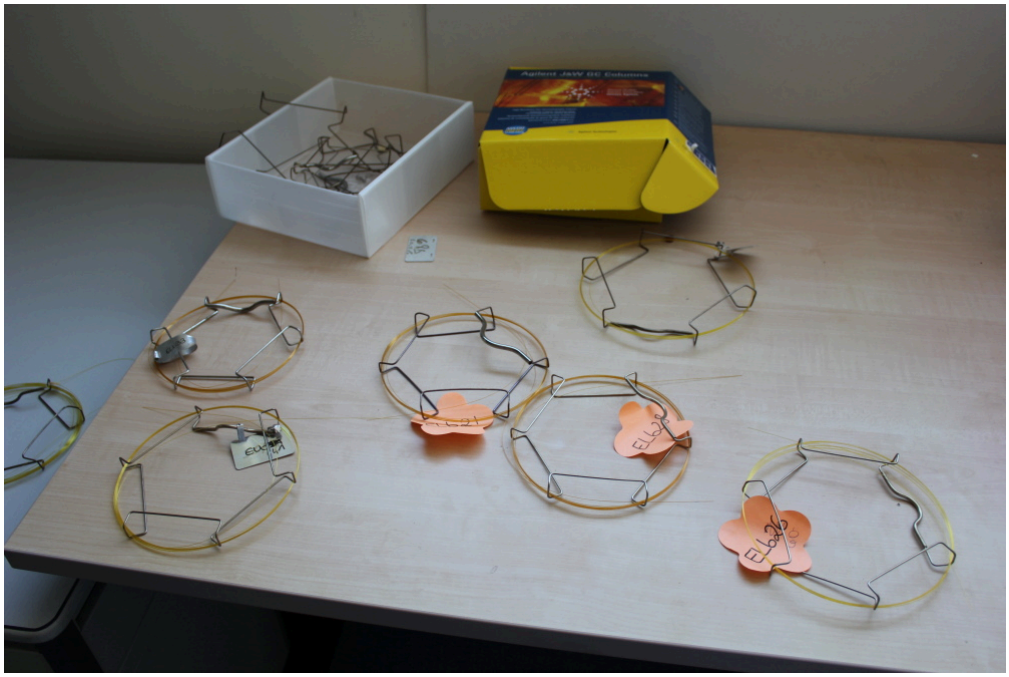

Pour nous citer :
Base de la Mission nationale de sauvegarde et de valorisation du patrimoine scientifique et technique contemporain, PATSTEC, Colonne capillaire (Agilent Technologies), https://www.patstec.fr/ressources/objets/detail?id=20439, consulté le 2026-07-30