

# GC Column by Applications

## Life Sciences/Pharmaceutical

GC is a common tool for quality control in drug production, small molecule study in medicine chemistry and discovery, metabolism research and other areas. The complexity of application demands special columns to provide separation with a high degree of column inertness and low column bleed for advanced GC, HS-GC, HS-GC-MSD and other instrumentation. Based on the expertise and knowledge of both our customers and us, GS-Tek makes the following column selection recommendations.

### Residual Solvents

Suggested Column Description	P/N
GsBP-VMS, 20m x 0.18mm x 1.0um	6418-2010
GsBP-VMS, 30m x 0.25mm x 1.4um	6425-3014
GsBP-624, 30m x 0.32mm x 1.8um	6232-3018
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030
GsBP-5, 30m x 0.53mm x 5.0um	0553-3050
GsBP-Inowax, 30m x 0.25mm x 0.5um	2025-3005
GsBP-Inowax, 30m x 0.53mm x 1.0um	2053-3010
GsBP-Carbowax, 30m x 0.53mm x 1.3um	2253-3013
GsBP-1701, 30m x 0.25mm x 0.25um	6125-3002



Longer lengths and thicker films may improve separation as needed. Contact GS-Tek for details.

### Intermediate Drug Compounds

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002
GsBP-50MS, 30m x 0.25mm x 0.25um	5025-3002
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002

### Packaging Protection Gas

Suggested Column Description	P/N
GsBP-PLOT Molesieve 5A, 30m x 0.53mm x 50um	8453-3050
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030

### Alcohols

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-Inowax, 60m x 0.32mm x 0.5um	2032-6005
GsBP-Blood alcohol, 7.5m x 0.32mm x 10um	8832-0710
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030

### DMSO, DMO, Pyridines

Suggested Column Description	P/N
GsBP-624, 25m x 0.18mm x 1.0um	6218-2510
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010

### Drugs of Abuse

Suggested Column Description	P/N
GsBP-50+MS, 30m x 0.25mm x 0.25um	5025-3002
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002

## Blood Alcohol, Breath Gases

Suggested Column Description	P/N
GsBP-1, 30m x 0.53mm x 5.0um	0153-3050
GsBP-Blood alcohol, 7.5m x 0.32mm x 10um	8832-0710

## Anesthetic Gas

Suggested Column Description	P/N
GsBP-Gaspro, 30m x 0.32mm x 5um	8532-3005

## Lipid Panel

Suggested Column Description	P/N
GsBP-FFAP, 30m x 0.25mm x 0.25um	2125-3002
GsBP-Inowax, 30m x 0.25mm x 0.15um	2025-3001

## Metabolism

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002

## Petroleum and Petrochemical

Using a GC for analysis is a critical and important tool for these two industries. Reliable and consistent separations of complex samples for most applications in the industry are determined by the type of column used. With the environmental concerns of going-green and increasing quality control needs, the industry demands quality columns with a high level of inertness. As a result GS-Tek has taken its experience and expertise to recommend the best suited column for your compound separation needs.



## Natural Gas

Suggested Column Description	P/N	Separations
GsBP-PLOT Al2O3, S, 30m x 0.53mm x 15um	8253-3015	HC to C5
GsBP-1, 0.53mm x 30m x 2.65um	0153-3026	HCS to C6+
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030	CO2, Water, Sulfur, Mercaptans
GsBP-PLOT Molesieve, 30m x 0.53mm x 25um	8453-3025	CO, N2, and C1
GsBP-GasPro, 30m x 0.32mm x 5um	8532-3005	Low Level Sulfurs

## Refinery Gas

Suggested Column Description	P/N	Separations
GsBP-PLOT Al2O3, S, 15m x 0.53mm x 15um	8253-1515	Fast Separation of C1 to C6
GsBP-PLOT Al2O3, S, 50m x 0.53mm x 15um	8253-5015	Extended Separation of C1 to C5
GsBP-PLOT Molesieve, 30m x 0.53mm x 50um	8453-3050	CO, C1, N2, O2, H2
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030	CO2, H2O, Sulfurs
GsBP-1, 30m x 0.25mm x 1.0um	0125-3010	C6+

## Liquefied Petroleum Gas

Suggested Column Description	P/N	Separations
GsBP-PLOT Al2O3, S, 30m x 0.53mm x 15um	8253-3015	C1 to C6
GsBP-PLOT Al2O3, S, 50m x 0.53mm x 15um	8253-5015	C1 to C5
GsBP-1, 60m x 0.53mm x 5um	0153-6050	Oxygenates in HC
GsBP-PLOT Molesieve, 30m x 0.53mm x 50um	8453-3050	CO, C1, N2, O2, H2
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030	CO2, H2O, Sulfurs

## PhH3/AsH3 in Petroleum Streams

Suggested Column Description	P/N	Separations
GsBP-PLOT U, 50m x 0.53mm x 20um	8753-5020	Low level of PhH3/AsH3
GsBP-PLOT Al2O3, KCl, 50m x 0.53mm x 15um	8153-5015	Elution after C3s

## Sulfurs in Petroleum Streams

Suggested Column Description	P/N	Separations
GsBP-PONA, 100m x 0.25mm x 0.5um	9006-PONA	Sulfurs from HCs
GsBP-1, 100m x 0.25mm x 1.0um	0125-A010	Sulfurs from HCs
GsBP-GasPro, 60m x 0.32mm x 5um	8532-6010	Sulfurs from C1 to C4s
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010	Fast screening

## Hydrocarbon/Nitrogen/Zero Air

Suggested Column Description	P/N
GsBP-PLOT Molesieve, 30m x 0.53mm x 50um	8453-3050
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030
GsBP-PLOT Al2O3, S, 30m x 0.53mm x 15um	8253-3015

## Butadienes

Suggested Column Description	P/N
GsBP-PLOT Al2O3, M, 30m x 0.53mm x 15um	8353-3015
GsBP-PLOT Al2O3, M, 50m x 0.53mm x 15um	8353-5015
GsBP-1, 60m x 0.32mm x 4um	0132-6040
GsBP-624, 60m x 0.53mm x 3.0um	6253-6030

## Cracking gases

Suggested Column Description	P/N	Separations
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030	CO2/Water from N2
GsBP-PLOT U, 30m x 0.53mm x 20um	8753-3020	Improved separation CO2/H2O from N2
GsBP-PLOT Molesieve, 30m x 0.53mm x 50um	8453-3050	H2, CO/from N2
GsBP-PLOT Al2O3, S, 15m x 0.53mm x 15um	8253-1515	Total Hydrocarbons
GsBP-GasPro, 60m x 0.32mm x 5um	8532-6010	Sulfurs

## Ethylene/Propylene

Suggested Column Description	P/N	Separations
GsBP-PLOT Al2O3, S, 50m x 0.53mm x 15um	8253-5015	C1 to C5s
GsBP-PLOT Al2O3, KCl, 50m x 0.53mm x 15um	8153-5015	C1 to C5s
GsBP-PLOT Carbons, 30m x 0.53mm x 3.0um	8853-3003	acetylene
GsBP-GasPro, 60m x 0.32mm x 5um	8532-6005	Sulfurs
GsBP-Inowax, 30m x 0.53mm x 1.0um	2053-3010	low level of oxygenates

## Sim-Dis

Suggested Column Description	P/N	Separations
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002	C4 to C40
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010	C1 to C20
GsBP-1MS, 10m x 0.10mm x 0.33um	1110-1003	C4 to C70
GsBP-1, 5m x 0.53mm x 0.15um	0153-0501	C4 to C70/100
GsBP-1, 5m x 0.53mm x 2.65um	0153-0526	C5 to C40
GsBP-1, 10m x 0.53mm x 0.88um	0153-1008	C5 to C80
GsBP-1, 10m x 0.53mm x 3um	0132-1030	ASTM-2887
GsBP-1, 5m x 0.53mm x 0.15um, metal tubing	90153-0501	C5 to C120

## Gasoline

Suggested Column Description	P/N	Separations
GsBP -PONA, 100m x 0.25mm x 0.5um	9006-PONA	
GsBP -PONA, 50m x 0.20mm x 0.5um	9002-PONA	
GsBP-1, 10m x 0.53mm x 3um	0132-1030	ASTM-2887
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010	Alcohols in Gasoline
GsBP-PLOT-OX 10m x 0.53mm x 5um	8953-1005	Low level oxygenates in Gasoline

## BioDiesel

Suggested Column Description	P/N	Separations
GsBP-1 15m x 0.32mm x 0.1um	1132-1501-BD	Glycerin, ASTM D6584
GsBP-I, 10m x 0.32mm x 0.1um	1132-1001-BD	Total Glycerin, EP 14105
GsBP-Inowax, 30m x 0.32mm x 0.25um	2032-3002-BD	FAME, 14103
GsBP-624, 30m x 0.32mm x 1.8um	6232-3018-BD	Methanol, EN14110

## Diesel

Suggested Column Description	P/N
GsBP -PONA, 100m x 0.25mm x 0.5um	9006-PONA
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-1MS, 15m x 0.25mm x 1.0um	1125-1510
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002

## Butenes

Suggested Column Description	P/N
GsBP-PLOT Al2O3, S, 50m x 0.53mm x 15um	8253-5015
GsBP-PLOT Al2O3, S, 30m x 0.53mm x 15um	8253-3015

## MAPP

Suggested Column Description	P/N
GsBP-PLOT Al2O3, M, 30m x 0.53mm x 15um	8353-3015
GsBP-PLOT Al2O3, M, 50m x 0.53mm x 15um	8353-5015

## Propane

Suggested Column Description	P/N
GsBP-PLOT Al2O3, S, 30m x 0.53mm x 15um	8253-3015
GsBP-PLOT Al2O3, KCl, 30m x 0.53mm x 15um	8153-3015

## DHA

Suggested Column Description	P/N
GsBP-PONA, 100m x 0.25mm x 0.5um	9006-PONA
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010

## Aromatics, styrene

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-Inowax, 60m x 0.32mm x 0.5um	2032-6005

## Aromatics, solvents

Suggested Column Description	P/N
GsBP-Inowax, 60m x 0.25mm x 0.25um	2025-6002

Suggested Column Description	P/N
GsBP-Inowax, 60m x 0.25mm x 0.5um	2025-6005
GsBP-Inowax, 60m x 0.32mm x 0.5um	2032-6005
GsBP-Inowax, 30m x 0.53mm x 1.0um	2053-3010

## BTEX

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.25mm x 0.5um	2025-3005
GsBP-Inowax, 60m x 0.32mm x 0.5um	2032-6005

## VOCs, underground waters

Suggested Column Description	P/N
GsBP-624, 30m x 0.53mm x3.0um	6253-3030
GsBP-624, 60m x 0.32mm x1.8um	6232-6018
GsBP-624,105m x 0.53mm x3.0um	6253-0530
GsBP-624, 20m x 0.18mm x1.0um	6218-2010
GsBP-624, 60m x 0.25mm x 1.4um	6225-6014

## VOCs in Air

Suggested Column Description	P/N
GsBP-624, 30m x 0.53mm x3.0um	6253-3030
GsBP-5, 30m x 0.53mm x 5.0um	0553-3050

## Volatile amines

Suggested Column Description	P/N
GsBP-PLOT U, 30m x 0.53mm x 20um	8753-3020
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-Carbowax, 60m x 0.53mm x 1.3um	2253-6013
GsBP-PONA, 100m x 0.25mm x 0.5um	9006-PONA

## Oxygenate

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-1, 30m x 0.53mm x 5.0um	0153-3050
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010

## Pyridines

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010

## Alcohols

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.53mm x 2.0um	2053-3020
GsBP-Inowax, 60m x 0.32mm x 0.5um	2032-6005
GsBP-624, 30m x 0.53mm x3.0um	6253-3030
GsBP-1, 30m x 0.53mm x 5.0um	0153-3050
GsBP-PONA, 100m x 0.25mm x 0.5um	9006-PONA

## Ethylene oxides

Suggested Column Description	P/N
GsBP-PLOT Q, 30m x 0.32mm x 15um	8632-3015

## CFCs

Suggested Column Description	P/N
GsBP-PLOT Al <sub>2</sub> O <sub>3</sub> , KCl, 50m x 0.53mm x 15um	8153-5015
GsBP-PLOT Al <sub>2</sub> O <sub>3</sub> , S, 50m x 0.53mm x 15um	8253-5015
GsBP-GasPro, 30m x 0.32mm x 5um	8532-3005
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030

## Vinyl Chloride

Suggested Column Description	P/N
GsBP-PLOT Q, 30m x 0.53mm x30um	8653-3030
GsBP-PLOT Al <sub>2</sub> O <sub>3</sub> , "M", 50m x 0.53mm x 15um	8353-5015

## Benzene Contamination

Suggested Column Description	P/N
GsBP-624, 30m x 0.53mm x3.0um	6253-3030
GsBP-Inowax, 30m x 0.25mm x 0.5um	2025-3005
GsBP-1, 60m x 0.32mm x 1.0um	0132-6010

## Halogenated Compounds

Suggested Column Description	P/N
GsBP-624, 30m x 0.53mm x3.0um	6253-3030
GsBP-624, 60m x 0.32mm x1.8um	6232-6018

## Total Petroleum Hydrocarbons

Suggested Column Description	P/N
GsBP-1, 30m x 0.32mm x 0.25um	0132-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002

## MTBE

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-1, 30m x 0.53mm x 5.0um	0153-3050

## Nitrous, NO, N<sub>2</sub>O, NO<sub>2</sub>

Suggested Column Description	P/N
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030
GsBP-PLOT Q, 50m x 0.53mm x 50um	8653-5050
GsBP-PLOT Molesieve, 30m x 0.53mm x 25um	8453-3025

## Permanent Gases

Suggested Column Description	P/N
GsBP-PLOT Molesieve, 30m x 0.53mm x 25um	8453-3025
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030
GsBP-PLOT Molesieve, 30m x 0.53mm x 50um	8453-3050

## CO<sub>2</sub>, water in a gaseous sample

Suggested Column Description	P/N
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030
GsBP-PLOT Q, 50m x 0.53mm x 20um	8653-5020

## Noble Gases

Suggested Column Description	P/N
GsBP-PLOT Molesieve, 30m x 0.53mm x 50um	8453-3050

## Environmental

Going green social consciousness and recent economic developments has renewed the need for GC applications in the environmental protection industry. So whether it is tracking organic pollutants or analyzing pesticides, GS-Tek has recommendations for your analysis that demands a high degree of inertness, low bleed and separation performance criteria.



## VOCs

Suggested Column Description	P/N	Separations
GsBP-VMS 60m x 0.25mm x 1.4um	6425-6014	EPA 8260
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030	Fast VOCs separations
GsBP-624, 20m x 0.18mm x 1.0um	6218-2010	Fast VOCs separations
GsBP-624, 60m x 0.32mm x 1.8um	6232-6018	VOCs separations
GsBP-624, 105m x 0.53mm x 3.0um	6253-A530	VOCs separations
GsBP-5, 60m x 0.53mm x 5um	0553-6050	VOCs separations

## Semi VOCs

Suggested Column Description	P/N	Separations
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002	EPA 625, 1625, 8270
GsBP-5MS, 30m x 0.25mm x 0.5um	1525-3005	EPA 625, 1625, 8270
GsBP-5MS, 30m x 0.25mm x 1.0um	1525-3010	EPA 625, 1625, 8270
GsBP-5MS, 30m x 0.32mm x 0.25um	1532-3002	Fast Screen

## Pesticides/herbicides

Suggested Column Description	P/N	Separations
GsBP-5MS, 30m x 0.53mm x 1.5um	1553-3015	Large sample loading
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002	Fast separation
GsBP-5MS, 60m x 0.25mm x 0.25um	1525-6002	Comprehensive separation
GsBP-5MS, 30m x 0.32mm x 0.25um	1532-3002	Fast separation
GsBP-50MS, 30m x 0.25mm x 0.25um	5025-3002	Confirmation
GsBP-35MS, 30m x 0.25mm x 0.25um	3525-3002	Confirmation
GsBP-1701, 30m x 0.25mm x 0.25um	6125-3002	Confirmation
GsBP-50MS, 30m x 0.25mm x 0.25um w/ 5m guard column	5025-3002-5	Wide boiling point compounds

## Purgeable Halogenated Organics

Suggested Column Description	P/N	Separations
GsBP-624, 30m x 0.32mm x 1.8um	6232-3018	601, 8010
GsBP-624, 60m x 0.32mm x 1.8um	6232-6018	601, 8010

## PCBs

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-5MS, 30m x 0.25mm x 0.25um w/ 5m guard column	1525-3502
GsBP-XLB, 30m x 0.25mm x 0.25um	1625-3002

## PAHs

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002
GsBP-5MS, 30m x 0.25mm x 0.25um w/ 5m guard column	1525-3502
GsBP-XLB, 30m x 0.25mm x 0.25um	1625-3002

## Explosives

Suggested Column Description	P/N
GsBP-1, 5m x 0.53mm x 1.5um	0153-0515

## Drugs

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002

## EPA 8270

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-5MS, 30m x 0.25mm x 0.5um	1525-3005

## EPA 502.2

Suggested Column Description	P/N
GsBP-502.2, 20m x 0.18mm x 1.0um	6318-2010
GsBP-502.2, 60m x 0.25mm x 1.4um	6325-6014
GsBP-502.2, 60m x 0.32mm x 1.8um	6332-6018
GsBP-502.2, 105m x 0.53mm x 3.0um	6353-A530

## EPA 1614, PBDE

Suggested Column Description	P/N
GsBP-5MS, 15m x 0.25mm x 0.1um	1525-1501
GsBP-5MS, 30m x 0.25mm x 0.1um	1525-3001

## CFCs

Suggested Column Description	P/N
GsBP-PLOT Al <sub>2</sub> O <sub>3</sub> , "S", 30m x 0.53mm x 15um	8253-3015
GsBP-PLOT Q, 30m x 0.53mm x 30um	8653-3030
GsBP-GasPro 30m x 0.32mm x 5um	8532-3005

## Organ Mercury

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002

## Water analysis

Suggested Column Description	P/N
GsBP-624, 60m x 0.32mm x 1.8um	6232-6018
GsBP-VMS, 20m x 0.18mm x 1.0um	6418-2010
GsBP-VMS, 60m x 0.25mm x 1.4um	6425-6014



## NOISH methods

Suggested Column Description	P/N
GsBP-624, 25m x 0.18mm x 1.0um	6218-2510
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030
GsBP-5, 30m x 0.53mm x 5um	0553-3050
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002
GsBP-Inowax, 30m x 0.53mm x 1.0um	2053-3010

## Food and Beverage Industry

Due to food and beverage processes, contamination is always possible at certain critical control points (CCP). Contamination from a quality standpoint poses a health risk for the public consumer. Under these growing concerns of food safety, chemists are feeling the pressure more and more to improve the Quality standards. So, using the right GC column in the lab for the right application is detrimental in achieving top-notch performance in separation and low bleed. GS-Tek has listed recommended columns for selected applications. If you are unsure, please call our technical support team so we can provide the best method.



## Beverages

Suggested Column Description	P/N
GsBP-FFAP, 25m x 0.20mm x 0.3um	2120-2503
GsBP-FFAP, 50m x 0.20mm x 0.3um	2120-5003

## Flavor/Fragrance

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002
GsBP-1MS, 30m x 0.32mm x 0.5um	1132-3005
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-Inowax, 60m x 0.25mm x 0.25um	2025-6002

## FAMEs

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-Carbowax, 60m x 0.25mm x 0.25um	2225-6002
GsBP-50MS, 30m x 0.25mm x 0.25um	5025-3002

## Wine/Liqueur

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002

## Perfume

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-Inowax, 60m x 0.25mm x 0.25um	2025-6002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002

## Essential Oil

Suggested Column Description	P/N
GsBP-Inowax, 60m x 0.25mm x 0.25um	2025-6002

## Chiral compounds

Suggested Column Description	P/N
Please inquiry	

## Natural Product Extracts

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-50MS, 30m x 0.25mm x 0.25um	5025-3002
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002

## Syrup

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.32mm x 0.5um	2032-3005

## Aspirin and Ibuprofen

Suggested Column Description	P/N
GsBP-FFAP, 30m x 0.25mm x 0.25um	2125-3002
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002

## Steroids

Suggested Column Description	P/N
GsBP-1MS, 30mm x 0.25mm x 0.1um	1125-3001
GsBP-50MS, 30m x 0.25mm x 0.15um	5025-3001

## VOCs in Consumables Products

Suggested Column Description	P/N
GsBP-624, 30m x 0.32mm x 1.8m	6232-3018

## Alcohols

Suggested Column Description	P/N
GsBP-Inowax, 30m x 0.32mm x 0.5um	2032-3005
GsBP-Blood Alcohol, 7m x 0.32mm x 10um	8832-0710

## Sulfurs/Benzene in Beverage grade CO2

Suggested Column Description	P/N
GsBP-1, 60m x 0.32mm x 1.0um	0132-6010
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010

## Moisture in Tobacco

Suggested Column Description	P/N
GsBP-PLOT Q, 30m x 0.53mm x 20um	8653-3020

## Tobacco

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-1MS, 15m x 0.25mm x 0.1um	1125-1501

## Lotions

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002

## VOCs in Package Materials

Suggested Column Description	P/N
GsBP-624, 30m x 0.32mm x 1.8m	6232-3018

## Melamine in Dairy and other foods

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002

## Food Additive/Preservatives

Suggested Column Description	P/N
GsBP-1, 10m x 0.53mm x 1.5um	0153-1515
GsBP-1, 15m x 0.53mm x 0.88um	0153-1008

## Legal and Forensics Applications

Now a days GC has become one of the most important analytical instrument used in forensic laboratories. It is used in the analysis of body fluids for the presence of illegal substances, to test blood or any small suspect or any residues from the crime scene. Therefore to analyze such samples, GS-Tek columns are recommended as they are very good at separation and provide you with accurate results.



## Forensics

Suggested Column Description	P/N
GsBP-624, 20m x 0.18mm x 1.0um	6218-2010
GsBP-Inowax, 30m x 0.25mm x 0.5um	2025-3005
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1701, 30m x 0.25mm x 0.25um	6125-3002

## Alcohols

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-Inowax, 60m x 0.32mm x 0.5um	2032-6005
GsBP-Blood alcohol, 7.5m x 0.32mm x 10um	8832-0710
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030

## Drugs of Abuse

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002

## Blood Alcohol, Breath Gases

Suggested Column Description	P/N
GsBP-Blood alcohol, 7.5m x 0.32mm x 10um	8832-0710

## Anesthetic Gas

Suggested Column Description	P/N
GsBP-Gaspro, 30m x 0.32mm x 5um	8532-3005

## Lipid Panel

Suggested Column Description	P/N
GsBP-FFAP, 30m x 0.25mm x 0.25um	2125-3002
GsBP-Inowax, 30m x 0.25mm x 0.15um	2025-3001

## Steroids

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 0.1um	1125-3001
GsBP-50MS, 30m x 0.25mm x 0.15um	5025-3001

## Anti-Doping

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-5MS, 17m x 0.20mm x 0.33um	1520-1703

## Unconventional Weapon Media

Suggested Column Description	P/N
GsBP-1701, 30m x 0.25mm x 0.25um	6125-3002
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1701, 30m x 0.53mm x 1.0um	6153-3010
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030
GsBP-Gaspro, 30m x 0.32mm x 5um	8532-3005
GsBP-PLOT Al2O3, 30m x 0.25mm x 5um	8225-3005

## Explosives

Suggested Column Description	P/N
GsBP-1, 10m x 0.53mm x 0.15um	0153-1001

## Fire Cause Investigation

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-FFAP, 30m x 0.25mm x 0.25um	2125-3002
GsBP-5, 30m x 0.53mm x 5.0um	0553-3050

## Poison /Toxins

Suggested Column Description	P/N
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002

## Breathing Gases, protection gases

Suggested Column Description	P/N
GsBP-PLOT Molesieve, 5A, 30m x 0.53mm x 50um	8453-3050
GsBP-GasPro, 30m x 0.32mm x 5um	8532-3005

## Commodity Inspection, Insurance Investigation Labs

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 1.0um	1125-3010
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-1701, 30m x 0.25mm x 0.25um	6125-3002

Suggested Column Description	P/N
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030

## NOISH Methods

Suggested Column Description	P/N
GsBP-624, 25m x 0.18mm x 1.0um	6218-2510
GsBP-624, 30m x 0.53mm x 3.0um	6253-3030
GsBP-5, 30m x 0.53mm x 5um	0553-3050
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002
GsBP-Inowax, 30m x 0.53mm x 1.0um	2053-3010

## Collaborative Research Columns

GS-Tek offers columns to be used in your research studies. Please contact GS-Tek for collaborations inquiries.

Suggested Column Description	P/N
GsBP-1MS, 30m x 0.25mm x 0.25um	1125-3002
GsBP-5MS, 30m x 0.25mm x 0.25um	1525-3002
GsBP-Inowax, 30m x 0.25mm x 0.25um	2025-3002
GsBP-50MS, 30m x 0.25mm x 0.25um	5025-3002
GsBP-624, 30m x 0.25mm x 1.4um	6225-3014

