

Y-CAP

STANDARD

CHIRAL COLUMNS

CUSTOM
DEDICATED
COLUMNS

FAST-GC
solutions

GC-MS
COLUMNS

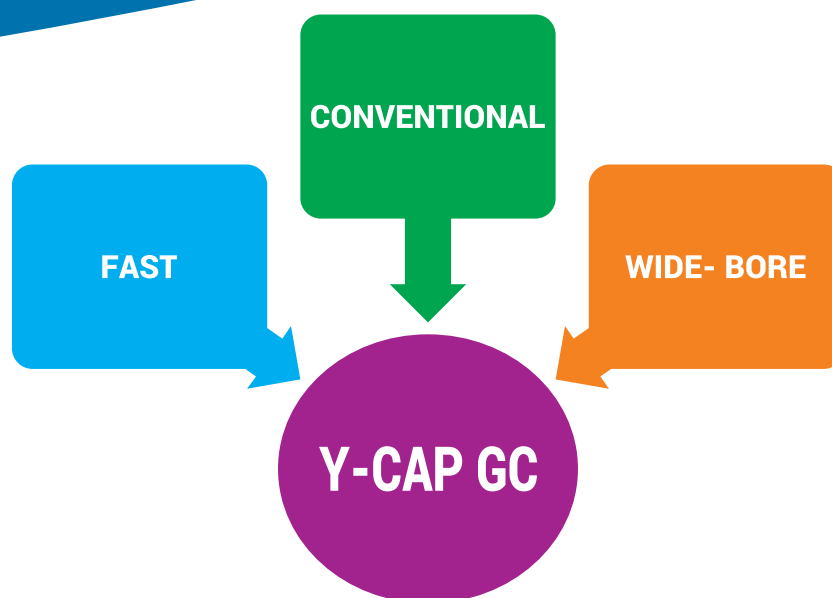
Y-CAP-HT
High Temperature Columns



Y-CAP GC COLUMNS

All our stationary phases are available for FAST
Conventional, Wide-Bore and Multi dimensional-
GC, including solutions and kits for GCxGC

Y-CAP GC COLUMNS AVAILABLE DIMENSIONS



FAST – GC Columns

Internal Diameter	0.05mm	0.75mm	0.10mm	0.15mm
Length*	from 1 to 5m	from 1 to 10m	from 1 to 20m	from 1 to 40m
Film Thickness**	from 0.05 to 0.25 μ m	from 0.05 to 0.50 μ m	from 0.05 to 1.40 μ m	from 0.05 to 2.00 μ m

CONVENTIONAL – GC Columns

Internal Diameter	0.18mm	0.20mm	0.25mm	0.32mm
Length*	from 5 to 60m	from 5 to 105m	from 5 to 105m	from 5 to 105m
Film Thickness**	from 0.05 to 2.00 μ m	from 0.05 to 2.00 μ m	from 0.05 to 3.00 μ m	from 0.05 to 10.00 μ m

WIDE-BORE-GC Columns

Internal Diameter	0.45mm	0.53mm
Length*	from 5 to 75m	from 5 to 75m
Film Thickness**	up to 7.00 μ m	up to 10.00 μ m

All our stationary phases are available for FAST, Conventional, Wide-Bore and Multidimensional-GC, including solutions and kits for GCxGC

* shorter and special lengths are available for GCxGC solutions and kits

** the maximum film thickness depends on the stationary phase type

Y-CAP

Y-CAP GC COLUMNS - SERIES

Stationary Phase	Temp. max*	Alternative to	EPA/USP Class	Application
YGC01 100% methyl polysiloxane	up to 350°C	DB-1, HP-1, AT-1(+), ZB-1, 007-1, Rtx-1, BP-1, SPB-1, CP Sil 5 CB	EPA: 504.1, 505, 551, 606, 612, 8141A/B, etc.** USP: G1, G2, G9, G38	General purpose column Solvent impurities, PCBs, SimDist, drugs, natural gases, essential oils, semivolatiles, pesticides, phenols, etc
YGC05 5% phenyl, 95% methyl polysiloxane	up to 350°C	DB-5, HP-5, AT-5(+), ZB-5, 007-5, Rtx-5, BP-5, SPB-5, CP Sil 8 CB	EPA: 506, 611, 604, 607, 608, 8015, 8041, 8082, 8091, etc.** USP: G27, G36, G41	General purpose column Solvent impurities, PCBs, hydrocarbons, essential oils, semivolatiles, pesticides, phenols, etc.
YGC-PMP2 5% phenyl, 95% methyl polysiloxane	up to 350°C	SE52	USP: G27, G36, G41	General purpose column Solvent impurities, PCBs, hydrocarbons, essential oils, semivolatiles, triglycerides, pesticides, poly-waxes, etc.
YGC10 100% cyanopropyl polysiloxane	up to 260°C	HP-88, AT-Silar, Silar 10 Rtx-2560, SP-2560, BPX-70 CP Sil 88, ZB-FAME	EPA: 613, 1613, 8290B, etc.** USP: G5, G8, G48	High polarity column ideal for cis/trans FAMES isomers analysis, available also for FAST-GC
YGC1701 14% cyanopropylphenyl, 86% methyl polysiloxane	up to 280°C	DB-1701, HP-1701, AT-1701(+), ZB-1701, 007-1701, Rtx-1701, BP-10, SPB-1701, CP Sil 19 CB	EPA: 513, 515.2, 552.2, 607, 619, 622, 8091, 8121, etc.** USP: G46	General purpose column Residual solvents, oxygenated pesticides, essential oils, allergens, etc. Ideal as confirmation column and GCxGC applications
YGC017 50% phenyl methyl polysiloxane	up to 340°C	DB-17, DB-608, HP-17, AT-50(+), ZB-50, 007-17, Rtx-17, BPX-50, SPB-50, CP Sil 24 CB	EPA: 604, 608, 619, 8060, 8081, etc.** USP: G3, G17	General purpose column Phthalate esters, herbicides, Pharmaceuticals, etc. Ideal as confirmation column and GCxGC applications
YGC 624 6% cyanopropylphenyl 94% methyl polysiloxane	up to 280°C	DB-624, HP-624, AT-624(+), ZB-624, 007-624, Rtx-624, Vocol, SPB-624, VF-624 ms	EPA: 501.3, 502.1, 502.2, 601, 624, 1624, 8020, 8021, etc.** USP: G43, 467 (OVIs)	General purpose column Volatile organic pollutants, purgeable aromatics, purgeable hydrocarbons, VOCs, pharmaceuticals, etc.
YGC-WAX Polyethylene Glycol (PEG)	up to 250°C	DB-Wax, HP-Wax, AT-Wax(+), ZB-Wax, 007-CW, Rtx-Wax, BP-20, CP Wax 52 CB	EPA: 602, 603, 619, 8015C, etc.** USP: G14, G15, G16, 467 (OVIs)	General purpose column FAMES, flavor compounds, essential oils, BTEX aromatics, solvents, alcohols, etc. Tune your Wax column polarity (i.e. WAX-20M, WAX-400, WAX-8M and more!). Ask us for more info
YGC01-MS low bleeding 100% methyl polysiloxane	up to 350°C	DB-1 ms (UI), HP-1 ms, AT-1 ms(+), ZB-1 ms, Rtx-1 ms, Equity-1, CP Sil 5 CB ms	EPA: 504.1, 505, 606, etc.** USP: G1, G2, G9, G38	General purpose column Solvent impurities, PCBs, SimDist, drugs, natural gases, essential oils, semivolatiles, pesticides, phenols, etc
YGC05-MS low bleeding 5% phenyl, 95% methyl polysiloxane	up to 360°C	DB-5 ms (UI), HP-5 ms, AT-5 ms(+), ZB-5 ms, 007-5 ms, Rtx-5 ms, Equity-5, BPX-5	EPA: 513, 528, 552, 610, 613, 1625, 1653, 8015B, 8091, 8100, 8141A/B, 8280A, etc.** USP: G27, G36, G41	General purpose column Solvent impurities, PCBs, hydrocarbons, essential oils, semivolatiles, pesticides, phenols, etc.
YGC05-MS XIL low bleeding silphenylene based MS phase	up to 360°C	DB-5 ms (UI), Rtx-5 Sil ms, SLB-5 ms, ZB-5 ms	EPA: 513, 515.2, 521, 525, 529, 552.2, 604, 610, 625, 1613, 1625, 8041, 8061A, 8081A, 8121, 8270C, etc.** USP: G27, G36, G41	General purpose column for GC -MS Dioxins and furans, herbicides, phthalate esters, POCs, chlorinated acids, etc.
YGC035(MS) low bleeding 35% phenyl, 65% methyl polysiloxane	up to 340°C	DB-35 ms, BPX-35, BPX-608, ZB-MultiResidue-2, Rtx-35 Sil ms	EPA: 507, 508, 552, 614, 615, 622, 8141A, 8151A, etc.** USP: G28, G32, G42	General purpose column for GC -MS
YGC017(MS) low bleeding 50% phenyl, 50% methyl polysiloxane	up to 340°C	DB-17 ms, Rtx-17 Sil ms	EPA: 505, 610, 614, 619, 8040, 8041, etc.** USP: G3, G17	General purpose column for GC -MS
YGC225(MS) low bleeding 25% cyanopropyl, 25% phenyl, 50% methyl polysiloxane	up to 240°C	DB-225 ms	EPA: 8095, etc.** USP: G7, G19	General purpose column for GC -MS
YGC 624(MS) low bleeding 6% cyanopropylphenyl, 94% methyl polysiloxane	up to 280°C	VF-1301 ms, VF-624 ms	EPA: 8260B, etc.** USP: G43, 467 (OVIs)	General purpose column for GC -MS
YGC-WAX(MS) low bleeding polyethylene glycol (PEG)	up to 270°C	Stabilwax, ZB-Wax plus, InnoWax, VF-WAX ms	EPA: 602, 603, 619, 8015C, 8121, etc.** USP: G14, G15, G16, etc.**	General purpose column for GC -MS








*: the temperature range may change depending on the stationary phase film thickness.

Y-CAP GC COLUMNS - SERIES

Stationary Phase	Temp. max*	Alternative to	EPA/USP Class	Application
YGC13(MP) 13% phenyl, 87% methyl polysiloxane	up to 350°C	CP Sil 13 CB	EPA: 601, 602, 624, etc.**	General purpose column, ideal as confirmation column
YGC020 20% phenyl 80% methyl polysiloxane	up to 340°C	AT -20(+), 007-7, Rtx-20, SPB-20	USP: G28, G32	General purpose column, ideal as confirmation column
YGC-200 trifluoropropyl, methyl polysiloxane	up to 250°C	DB-200, DB-210, AT-210(+), 007-210, Rtx-200, SP-2401, VF-200 ms	EPA: 551, 612, 625, 8095, etc.** USP: G6	Unique selectivity column, Freon fluorocarbons, ketones, alcohols, organophosphorus pesticides, etc
YGC065(HT) high temperature 65% phenyl, 35% methyl polysiloxane	up to 360-370°C	high temperature column 007-65HT, Rtx-65TG, TAP-CB		High Temperature column Ideal for triglycerides separations based on carbon number and degree of unsaturation
YGC1701(HT) high temperature 14% cyanopropylphenyl, 86% methyl polysiloxane	up to 320°C	high temperature unique column		High Temperature general purpose column Ideal for confirmation analysis, ideal as mid-polar column in GCxGC-HT configurations
YGC035 35% phenyl, 65% methyl polysiloxane	up to 340°C	DB-35, HP-35, AT-35(+), ZB-35, 007-11, ZB-MultiResidue-2, Rtx-35, SPB-35, SPB-608	EPA: 507, 508, 513, 551.1, 615, 622, etc.** USP: G28, G32, G42	General purpose column Pesticides, PCBs, substituted polar compounds, phenols, etc. Ideal as confirmation column
YGC-50 50% cyanopropyl, 50% methyl polysiloxane	up to 260°C	DB-23, Silar-5, Rtx-2330, SP-2330	USP: G8	Mid-to-high polarity phase Carbohydrates, sterols, FAMES, flavor compounds, etc.
YGC-AL C-1&2 proprietary specific phases	up to 280°C	DB-ALC 1&2, Rtx-BAC 1&2	-	Application specific column for blood alcohols testing
YGC-Basic proprietary specific phase	n.d.	unique column	-	Application specific column for basic compounds (e.g. amines)
YGC-BDL phases for biodiesel analysis	up to 380°C (EN14105)	Biodiesel Columns	EN 14105 (ASTM 6584), EN 14103, EN 14110, EN 14331	Application specific column for free and total glycerine (phase stable up to 380°C) and for FAMES in biodiesel analysis
YGC-DAI proprietary unique phases for Direct Aqueous Injections	up to 320°C	unique column	-	Application specific column for direct introduction of aqueous samples, thus minimizing sample preparation
YGC-FFAP(E) acid modified polyethylene glycol (PEG)	up to 260°C	DB-FFAP, AT-1000(+), ZB-FFAP, 007-FFAP, Stabilwax-DA, BP-21, Nukol, CP Wax 57 CB	EPA: 8032, etc.** USP: G14, G15, G16, G25, G35, G39	General purpose column ideal for free acids, FAMES, BTEX aromatics, flavor compounds, alcohols, spirits, polar compounds, etc. Extended temperature range phase, crossbonded. Aqueous samples compatible
YGC- MP(XR) 100% methyl polysiloxane	up to 350°C	no equivalent on the market	USP: G1, G2, G9, G38	General purpose apolar column
YGC-LAS proprietary unique phase for Lipids Analysis	up to 370°C	unique column	-	Application specific column for lipids, sterols and triglycerides analysis
YGC-PAH unique phase for Polycyclic Aromatic Hydrocarbons	up to 350°C	unique column	EPA: 610, 8100, etc.**	Application specific column for polycyclic aromatics hydrocarbons
YGC-HGP copolymer polyethylene glycol + methyl polysiloxane	n.d.	Agilent "DX" columns series	EPA: 505, etc.**	Discover new selectivities
YGC-POF proprietary phases for pesticides, herbicides and insecticides	n.d.	unique column ZB-MultiResidue-1	EPA: 622, etc.**	Application specific columns developed for pesticides, herbicides, insecticides analysis etc.
YGC-1PON PDMS optimized for hydrocarbons analysis	up to 350°C	DB-Petro, HP-Pona, Rtx-1 Pona, Petrocol	ASTM D6730-01, etc.**	Optimized phase for DHA (Detailed Hydrocarbons Analysis), PONA, PIANO and PNA analysis
YGC- PS264 5.8% Phenyl,0.2% Vinyl 94% Methyl Polysiloxane	up to 350°C	Unique phase		Low Intermediate polarity & for Benzene application

*: the temperature range may change depending on the stationary phase film thickness.

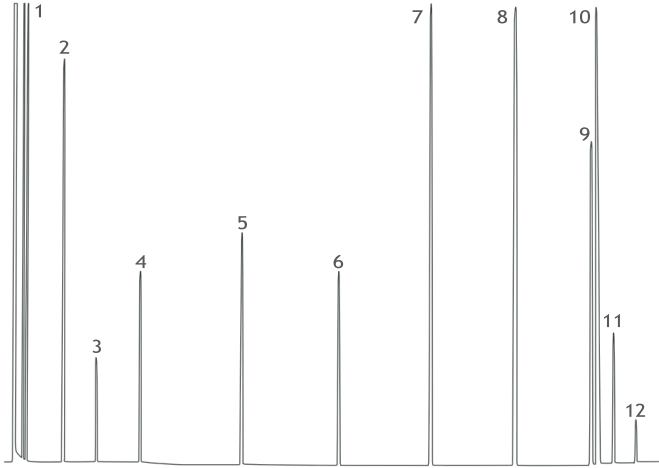
Y-CAP GC COLUMNS - SERIES

Stationary Phase	Temp. max*	Alternative to	EPA/USP Class	Application
YGC-VMP 1% vinyl, 99% methyl polysiloxane	up to 350°C	no equivalent on the market	-	Apolar phase, suitable for high film thickness columns, to analyze solvents, alcohols, volatiles, etc.
YGC-PVMP 5.8% phenyl, 0.2% vinyl, 94% methyl polysiloxane	up to 350°C	no equivalent on the market	-	Apolar phase, suitable for high film thickness columns, to analyze solvents, alcohols, volatiles, etc.
YGC-SE30 100% methyl polysiloxane	up to 350°C	SE30	EPA: 504.1, 505, 606, 8141A, etc.** USP: G1, G2, G9, G38	General purpose apolar column
YGC-TCEP 1,2,3-tris-(2-cyanoethoxy)propane	up to 150°C	CP-TCEP, -Rt-TCEP, SPB-TCEP	-	Application specific columns ideal for aromatics and oxygenates in gasoline
YGC-VOC proprietary phases for Volatile Organic Compounds	n.d.	unique columns	EPA: 503.1, 504.1, 524.2, 551.1, 601, 602, 603, 1624, 8010B, 8021B, 8030A, 8260B, etc.**	Application specific columns for volatiles organic compounds (OVIs), solvents and purgeable compounds. Due to the high max. temperature, they are ideals for two-parallel columns config. in the same oven
YGC-DXB DAC Beta	up to 230°C		chiral-enantiomeric separations	Diacetyl TBS Beta cyclodextrin based column
YGC-DXG DAC Gamma	up to 230°C		chiral-enantiomeric	Diacetyl TBS Gamma cyclodextrin based column.
YGC-DXD-B DET Beta	up to 230°C		separations	Diethyl TBS Beta cyclodextrin based column
YGC-DXD-G DET Gamma	up to 230°C		chiral-enantiomeric	Diethyl TBS Gamma cyclodextrin based column
YGC-DMPB DMP Beta	up to 230°C		separations	Dimethyl-pentyl TBS Beta cyclodextrin based column.
YGC-DMPG DMP Gamma	up to 230°C		chiral-enantiomeric	Dimethyl TBS Beta cyclodextrin based column
YGC-DXBE B-SE	up to 230°C		separations	New cyclodextrin derivative based column
YGC-DXB03 B-03	up to 230°C		chiral-enantiomeric	New cyclodextrin derivative based column.
YGC-DMP01 G-01	up to 230°C		separations	New cyclodextrin derivative based column. Unique column- able to separate Bornyl Acetate enantiomers
YGC-DMP03 G-03	up to 250°C		chiral-enantiomeric	New cyclodextrin derivative based column. Developed for pyrethroids and pesticides chiral separations
YGC01(HT) 100% methyl polysiloxane for high temperature	up to 400°C	high temperature column DB-1 HT, ZB-1 HT (Inferno)	-	High Temperature general purpose column High Molecular Weight Waxes, Motor Oils, Polymers/Plastics, Simulated Distillation
YGC05(HT) high temperature 5% phenyl, 95% methyl polysiloxane	up to 400°C	high temperature column DB-5 HT, ZB-5 HT (Inferno)	-	High Temperature, general purpose column High Molecular Weight, Waxes, Diesel Fuels, Simulated Distillation, Surfactants, Triglycerides
YGC08(HT) high temperature low-to-mid polarity special phase	up to 400°C	high temperature column HT8	-	High Temperature general purpose column Ideal for PCBs compounds, Pesticides, environmental analysis
YGC35(HT) high temperature 35% phenyl, 65% methyl polysiloxane	up to 370°C	high temperature column ZB-35 HT (Inferno)	-	High Temperature, general purpose column Semi-volatiles analysis, Pesticides, Pharmaceuticals
YGC17(HT) high temperature 50% phenyl, 50% methyl polysiloxane	up to 370°C	high temperature column DB-17 HT	-	High Temperature, general purpose column Ideal for confirmation, analysis, ideal as high polarity dimension in GCxGC-HT configurations
YGC-PEG(HT) high temperature polyethyleneglycol (PEG)	up to 300°C	high temperature unique column	-	High Temperature unique PEG phase Extend the temperature limits of your FAST-GC and GCxGC methods while using a polar WAX phase

*: the temperature range may change depending on the stationary phase film thickness.

FAMES C4- C18:3 (Fatty Acid Methyl Esters)

Column: YGGWAX - 0.32mm, 0.25µm, 25m
Catalog Code: YGC-CWAX-032-025-25



Conditions:

Injection: Split 250°C, 1.0µL, 1:50 Split Ratio.

Detector: FID 250°C.

Oven Temp.: 50°C, 4°C/min, 210°C.

Carrier Gas: Hydrogen, 60 kPa.

Peaks:

1. Butyric Acid ME (C4)
2. Caproic Acid ME (C6)
3. Heptanoic Acid ME (C7)
4. Caprylic Acid ME (C8)
5. Decanoic Acid ME (C10)
6. Lauric Acid ME (C12)
7. Myristic Acid ME (C14)
8. Palmitic Acid ME (C16)
9. Stearic Acid ME (C18:0)
10. Oleic Acid ME (C18:1)
11. Linoleic Acid ME (C18:2)
12. Linolenic Acid ME (C18:3)

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URL: www.ymcindia.com Email: sales@ymcindia.com Contact No- 011-45041601/701

Free Acids

Column: YGC-FFAP - 0.32mm, 0.25µm, 25m
Catalog Code: YGC-FFAP-032-025-25

Peaks:

- | | | |
|----------------------|-----------------------------------|----------------------|
| 1. Ethanoic acid | 7. Hexanoic acid | 13. 2-heptanoic acid |
| 2. Propanoic acid | 8. 2-pentanoic acid | 14. Decanoic acid |
| 3. Isobutanoic acid | 9. 3-hexanoic acid | 15. Undecanoic acid |
| 4. Butanoic acid | 10. Heptanoic acid | 16. Dodecanoic acid |
| 5. Isopentanoic acid | 11. <i>trans</i> 2-heptanoic acid | 17. Tridecanoic acid |
| 6. Pentanoic acid | 12. Octanoic acid | |

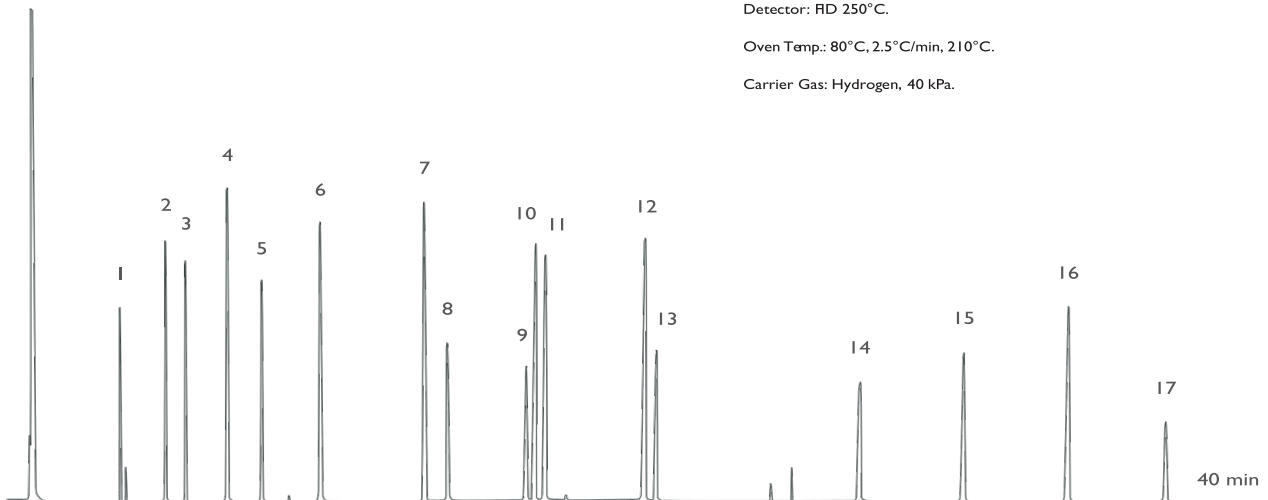
Conditions:

Injection: Split 250°C, 1.0 µL, 1:50 Split Ratio.

Detector: FD 250°C.

Oven Temp.: 80°C, 2.5°C/min, 210°C.

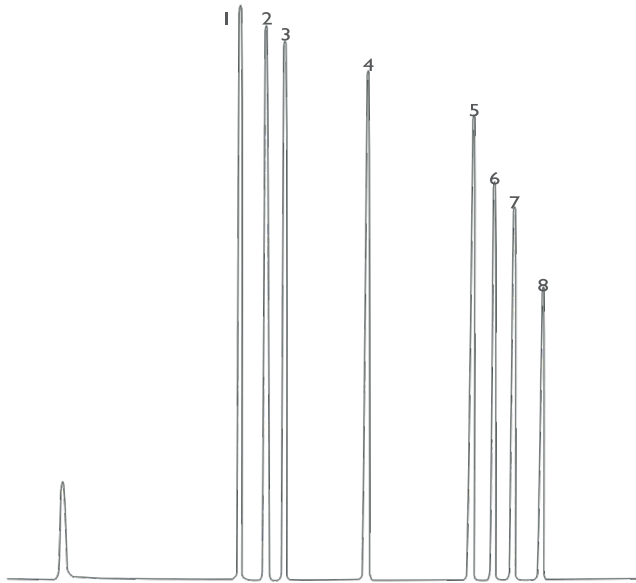
Carrier Gas: Hydrogen, 40 kPa.



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Nitrosamines

Column: **YGC-WAX -0.32mm, 1.20µm, 25m**
Catalog Code: YGC-CWAX-032-120-25

Conditions:

Injection: Splitless 200°C.

Detector: NPD.

Oven Temp.: 60°C (1 min), 0.5°C/min, 130°C (2min),
25°C/min, 160°C.

Carrier Gas: Helium, 60kPa.

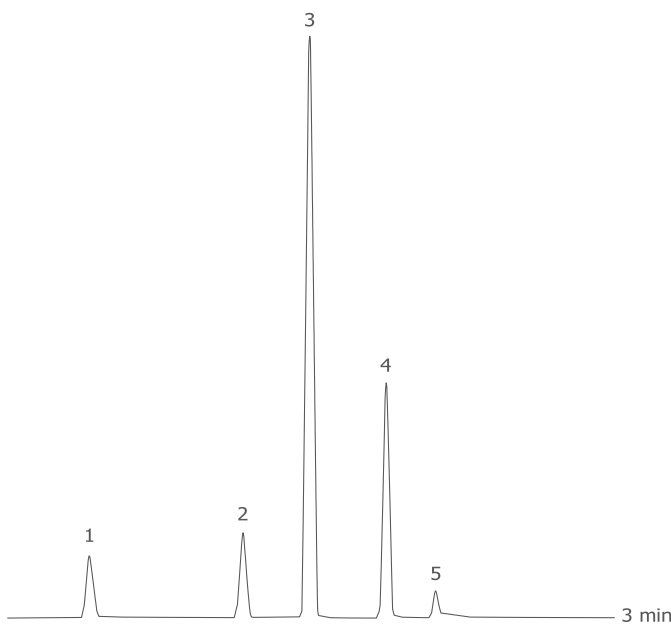
Peaks:

1. N-Nitrosodimethylamine
2. N-Nitrosomethylethylamine
3. N-Nitrosodiethylamine
4. N-Nitrosodi-n-propylamine
5. N-Nitrosodi-n-butylamine
6. N-Nitrosopiperidine
7. N-Nitrosopirrolidine
8. N-Nitrosomorpholine

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USP 467 Residual Solvents (OVIs) Headspace on YGC-624 FAST (G43 Phase)

Column: **YGC-624 FAST - 0.10mm, 0.45µm, 10m**
Catalog Code: YGC-C624-010-045-10

Conditions:

Injection: Split 250°C, 0.5mL with Gas Syringe, 1:100 Split Ratio.

Sample: Headspace of a Residual Solvent Mix hold 45min @ 80°C.

Detector: FID 250°C.

Oven Temp.: 35°C, 15°C/min, 100°C.

Carrier Gas: Hydrogen, 0.4 mL/min.

Peaks:

1. Methylene Chloride
2. Chloroform
3. Benzene
4. 1,1,1-trichloroethylene
5. 1,4-dioxane

Analysis carried out with DANI MASTER-GC.

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EQUIVALENT CHART

Y-CAP GC	AGILENT J&W	ALLTECH	MEGA	PHENOMENEX	QUADREX	RESTEK	SGE	SUPELCO	VARIAN
YGC-C01	DB-1, HP-1	AT-1	MEGA-1	ZB-1	007-1	Rtx-1	BP-1	SPB-1	CP-Sil 5 CB
YGC-C05	DB-5, HP-5	AT-5	MEGA-5	ZB-5	007-5	R tx-5	BP-5	SPB-5	CP-Sil 8 CB
YGC-01(MS)	DB-1 ms, Ultra-1, HP-1 ms	AT-1	MEGA-1 MS	ZB-1 ms	007-1	Rtx-1 ms	BPX-1	SPB-1, Equity-1	CP-Sil 5 CB low bleed / ms, VF-1 ms
YGC-05(MS)	DB-5 ms, Ultra-2, HP-5 ms	AT-5 ms	MEGA-5 MS	ZB-5 ms	007-5 ms	Rtx-5 ms	BPX-5	SPB-5, Equity-5	-
YGC-WAX	DB-Wax, HP-Wax, InnoWax	AT-Wax	MEGA-WAX	ZB-Wax	007-CW	Rtx-Wax	BP-20	OmegaWax	CP-Wax 52 CB
YGC-WAX(MS)	DB-Wax, HP-Wax	AT-Wax ms	MEGA-WAX MS	ZB-Wax plus	007-CW	Stabilwax	BP-20	OmegaWax	VF-Wax ms
YGC-035(MS)	DB-35 ms	-	MEGA-35 MS	MR2	-	Rtx-35 Silms	BPX-35, BPX-608	-	-
YGC-017(MS)	DB-17 ms	-	MEGA-17 MS	-	-	Rtx-17 Silms	-	-	-
YGC-225(MS)	single column	-	MEGA-225 MS	-	-	-	-	-	-
YGC-C35	DB-35, HP-35	AT-35	MEGA-35	ZB-35, MR2	007-11	Rtx-35	BPX - 35, BPX-608	SPB-35, SPB-608	-
YGC-C1701	DB-1701, HP-1701	AT-1701	MEGA-1701	ZB-1701	007-1701	Rtx-1701	BP-10	SPB-1701	CP-Sil 19 CB, VF-1701ms
YGC0-C17	DB-17, DB-608, HP-17	AT-50	MEGA-17	ZB-50	007-17	Rtx-17	BPX-50	SPB-50	CP-Sil 24 CB, VF-17 ms
YGC-FFAP	DB-FFAP	AT-1000	MEGA-ACID (FFAP)	-	007-FFAP	Stabilwax-DA	BP-21	SPB-1000, Nukol	CP-Wax 58 CB
YGC-C10	HP-88	AT-Silar	MEGA-10	-	-	Rtx-2560	BP-70, BPX-70	SP-2560	CP-Sil 88
YGC-C13	-	-	MEGA-13	-	-	-	-	-	CP-Sil 13 CB
YGC-C624	DB-624, DB-1301, HP-624, DB-1301	AT-624	MEGA-624	ZB-624	007-624, 007-1301	Rtx-624, Rtx-Vocol, Rtx - 1301	BP-624	SPB-1301, Vocol, SPB-624	CP-1301, VF-624 ms
YGC-C200	DB-200, DB-210	AT-210T	MEGA-200	-	007-210	Rtx-200	-	SP-2401	VF-200 ms
YGC-C225	DB-225, HP-225	AT-225	MEGA-225	-	007-225	Rtx-225	BP-225	-	CP-Sil 43 CB
YGC-C264	-	-	MEGA-PS264	-	-	-	-	-	-
YGC-C225	-	-	MEGA-PS255	-	-	-	-	-	-
YGC-C52	-	-	MEGA-SE52	-	-	-	-	-	-
YGC-C54	-	-	MEGA-SE54	-	-	-	-	-	-
YGC-MPONA	DB-Petro, HP-Pona	-	MEGA-1 PONA	-	-	Rtx-1 Pona	-	Petrocol	-
YGC-C50	DB-23	-	MEGA-50	-	-	Rtx-2330	-	SP-2330	-
YGC-C20	-	AT-20	MEGA-20	-	007-7	Rtx-20	-	SPB-20	-
YGC-ADD	DX	-	MEGA-PLUS	-	-	-	-	-	-
YGC-LA	-	-	MEGA-LAP	-	-	-	-	-	-
YGC-BA	-	-	MEGA-BASIC	-	-	-	-	-	-