

Колонки для газовой хроматографии SC

Технические характеристики

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Gas chromatography is an analytical technique used to separate and analyse the volatile components in a sample, based on the interaction between the components, the column and a gas mobile phase. As such, the method requires the use of high-quality columns and accessories for efficient separation.



SC-1 Columns

Phase: 100% Methyl Polysiloxane.

- Non-polar
- Suitable for all routine analyses
- USP Classification: G1, G2, G9, G38
- EPA Methods / Normatives: EPA 504.1, 505, 551, 606, 612, 8141A/B

Application areas: suitable for analysis of hydrocarbons, aromatics, pesticides, phenol, herbicides, ketones, drugs of abuse, phthalates esters.

Suitable replacement for: DB-1, HP-1, CP-Sil 5 CB, SPB-1, Rtx-1, ZB-1, BP1, AT-1, 007-1.

SC-1 FAST columns

Composition: 100% Methyl Polysiloxane

- Apolar

Alternative to: 007™-1, AT™-1, BP™-1, CP Sil 5CB, DB™-1, OV™-1, HP™-1, Rtx™-1, SPB™-1, ZB™-1.

SC-1 HT columns

Phase

SC-1 HTInner diameter (mm)

0,10Thickness film (µm)

0,10Length (m)

5Pack (u.)

1

Reference

[SC1HT31001](#)

Packaging

x u.

Phase

SC-1 HTInner diameter (mm)

0,10Thickness film (µm)

0,10Length (m)

10Pack (u.)

1

Reference

[SC1HT31002](#)

Packaging

x u.

Phase

SC-1 HTInner diameter (mm)

0,25Thickness film (µm)

0,10Length (m)

15Pack (u.)

1

Reference

[SC1HT31003](#)

Packaging

x u.

Phase

SC-1 HTInner diameter (mm)

0,32Thickness film (µm)

0,15Length (m)

15Pack (u.)

1

Reference

[SC1HT31011](#)

Packaging

x u.

Phase

SC-1 HTInner diameter (mm)

0,53Thickness film (µm)

0,10Length (m)

15Pack (u.)

1

Reference

[SC1HT31017](#)

Packaging

x u.

-

Phase

SC-1 HTInner diameter (mm)

0,53Thickness film (µm)

0,15Length (m)

30Pack (u.)

1

Reference

[SC1HT31022](#)

Packaging

x u.

SC-10 FAST columns

Composition: 100% Cyanopropyl Polysiloxane

- High polarity

- USP classification: G5, G8, G48

Alternative to: AT™-Silar, BPX™-70, CP-Sil™88, HP™-88, Rtx™-2560, SP™-2560, SP™-2331, SP™-2380

SC-13 FAST columns

Composition: 13% Phenyl, 87% Methyl Polysiloxane

- Intermediate polarity
- EPA methods: EPA 601, 602, 624

Alternative to: Cp-Sil™ 13 CB

SC-17 FAST columns

Composition: 50% Phenyl, 50% Methyl Polysiloxane

- Mid to High polarity
- USP classification: G3, G17
- EPA methods: EPA 604, 608, 619, 8060, 8081

Alternative to: 007™-17, AT™-50, BPX™-50, CP Sil™ 24 CB, DB™-17, HP™-17, Rtx™-17, SPB™-50, ZB™-50

SC-1701 Columns

Phase: 14% Cyanopropylphenyl 86% Methyl Polysiloxane.

- Excellent general purpose GC column
 - Intermediate polarity
 - USP Classification: G46
 - EPA Methods / Normatives: EPA 513, 515.2, 552.2, 607, 619, 622, 8091, 8121
- Application areas: organophosphorus pesticides, food packaging residual solvents.
Suitable replacement for: DB-1701, VF-1701, VF-1701MS, CP-Sil 19CB, Rtx-1701, ZB-1701, BP10, 007-1701, AT-1701.
-

SC-1701 FAST columns

Composition: 14% Cyanopropylphenyl, 86% Methyl Polysiloxane

- Intermediate polarity
 - USP classification: G46
 - EPA methods: EPA 513, 515.2, 552.2, 607, 619, 622, 8091, 8121
- Alternative to: 07™-1701, AT™-1701, BP™-10, CP-Sil™ 19 CB, DB™-1701, HP™-1701, OV™-1701, Rtx™-1701, SPB™-1701, VF™-1701 ms, ZB™-1701
-

SC-17MS columns

Composition: 50% Phenyl, 50% Methyl Polysiloxane

- Mid to high polarity
 - USP classification: G3, G17
- Alternative to: DB™-17 ms, Rtx™-17 Sil ms
-

SC-1MS columns

Composition: 100% Methyl Polysiloxane

- Apolar
- USP classification: G1, G2, G9, G38
- EPA methods: EPA 504.1, 505, 606

Alternative to: AT™-1 ms, BPX™-1, CP-Sil™ 5 CB ms, DB™-1 ms, Equity™-1, HP™-1 ms, Rtx™-1 ms, SPB™-1, ZB™-1 ms

SC-20 FAST columns

Composition: 20% Phenyl, 80% Methyl Polysiloxane

- Intermediate polarity
- USP classification: G28, G32

Alternative to: 007™-7, AT™-20, Rtx™-20, SPB™-20

SC-200 FAST columns

Composition: Trifluoropropyl Methyl Polysiloxane

- High polarity
- USP classification: G6

Alternative to: 007™-210, AT™-210, DB™-200, DB™-210, OV™-202, OV™-210, OV™-215, Rtx™-200, SP™-2401, VF™-200 ms

SC-225 Columns

Phase: 25% Cyanopropyl, 25% phenyl, 50% Methyl Polysiloxane.

- Excellent general purpose GC column
- Mid to High polarity
- USP Classification: G7, G19

Application areas: organophosphorus pesticides, food packaging residual solvents.

Suitable replacement for: DB-225, HP-225, CP-Sil 43CB, SPB-225, Rtx-225, BP225, 007-225, AT-225.

SC-225 FAST columns

Phase: 25% Cyanopropyl, 25% phenyl, 50% Methyl Polysiloxane.

- Excellent general purpose GC column
- Mid to High polarity
- USP Classification: G7, G19

Application areas: organophosphorus pesticides, food packaging residual solvents.

Suitable replacement for: DB-225, HP-225, CP-Sil 43CB, SPB-225, Rtx-225, BP225, 007-225, AT-225.

SC-225MS columns

Composition: 25% Cyanopropyl, 25% Phenyl, 50% Methyl Polysiloxane

- Mid to high polarity
 - USP classification: G7, G19
-

SC-23 Columns

Phase: 50% Cyanopropyl, 50% Methyl Polysiloxane.

- Excellent general purpose GC column
- Mid to High polarity
- USP Classification: G8

Application areas: organophosphorus pesticides, food packaging residual solvents.

Suitable replacement for: VF-23MS, DB-23, Silar-5, Rtx-2330, SP-2330.

SC-2560 Columns

Phase: Cyanopropyl Polysiloxane.

- Polar Phase
- Ideal for cis/trans isomer separation
- USP Classification: G5, G8, G48

Application areas: fatty acid methyl esters (FAMES) cis-trans, olive oil FAMES cis/trans

Suitable replacement for: AT-Silar, BPX-70, CP-Sil 88, HP-88, Rtx-2560, SP-2560, SP-2331, SP-2380.

SC-35 Columns

Phase: 35% Phenyl / 65% Methyl Polysiloxane.

- Excellent general purpose GC column
- Intermediate polarity
- USP Classification: G27, G36, G41
- EPA Methods / Normatives: EPA 513, 528, 604, 606, 610, 613, 625, 1625, 1653, 8100, 8141A/B

Application areas: alkyl naphthalens, haloethers, phenols, chlorinated hydrocarbons, nitrosamines, pesticides, herbicides, drugs of abuse.

Suitable replacement for: DB-35, HP-35, SPB-35, SPB-608, Rtx-35, ZB-1, 007-11, BPX-35, BPX-608.

SC-35 FAST columns

Composition: 35% Phenyl, 65% Methyl Polysiloxane

- Intermediate polarity

Alternative to: DB™-35, Rtx™-35, MR2, 007™-11, BPX™-35, BPX™-608, SPB™-35, SPB™-608

SC-35MS columns

Composition: 5% Phenyl, 65% Methyl Polysiloxane

- Mid to high polarity
- USP classification: G28, G32, G42

Alternative to: DB™-35 ms, Rtx™-35 Sil ms, MR2, BPX™-35, BPX™-608

SC-5 Columns

Phase: 5% Phenyl / 95% Methyl Polysiloxane.

- Excellent general purpose GC column
- Non-polar
- USP Classification: G27, G36, G41
- EPA Methods / Normatives: EPA 611/8110, 604, 606, 607, 608/8081, 609, 612, 613, 615, 619, 622, 8015B, 8041, 8061A, 8082, 8091, 8121, 8141

Application areas: pesticides, herbicides, drugs of abuse, alkyl naphthalens, haloethers, phenols, chlorinated hydrocarbons, nitrosamines.

Suitable replacement for: DB-5, Rtx-5, HP-5, BP-5, SPB-5, CP-Sil 8CB, VB-5, ZB-5, AT-5, 007-5.

SC-5 FAST columns

Composition: 5% Phenyl, 95% Methyl Polysiloxane

- Low polarity

- USP classification: G27, G36, G41

- EPA methods: EPA 611/8110, 604, 606, 607, 608/8081, 609, 612, 613, 615, 619, 622, 8015B, 8041, 8061A, 8082, 8091, 8121, 8141A

Alternative to: 007™-5, AT™-5, BP™-5, CP-Sil™ 8 CB, DB™-5, HP™-5 OV™-5, Rtx™-5, SPB™-5, ZBT™-5

SC-5 HT columns

Composition: 5% Phenyl, 1% Vinyl, 94% Methyl Polysiloxane for High Temperature

- Low polarity

- Stable up to 400 °C

SC-50 Columns

Phase: 50% Phenyl / 50% Methyl Polysiloxane.

- Excellent general purpose GC column

- Mid to High polarity

- USP Classification: G3, G17

- EPA Methods / Normatives: EPA 604, 608, 619, 8060, 8081

Application areas: drug screening, steroids, triazines/herbicides and a variety of pharmaceutical applications.

Suitable replacement for: DB-17, HP-17, CP-Sil 24 CB, SPB-50, Rxi-17, ZB-50, BPX50, 007-17, AT-50.

SC-50 FAST columns

Composition: 50% Cyanopropyl, 50% Methyl Polysiloxane

- Mid to high polarity

- USP classification: G8

Alternative to: DB™-23, Silar™-5, Rtx™-2330, SP™-2330

SC-54 HT columns

Composition: 5% Phenyl, 1% Vinyl, 94% Methyl Polysiloxane for High Temperature

- Low polarity

- Stable up to 400 °C

SC-5MS columns

Composition: 5% Phenyl, 95% Methyl Polysiloxane

- Low polarity

- USP classification: G27, G36, G41

- EPA methods: EPA 513, 528, 604, 606, 610, 613, 625, 1625, 1653, 8100, 8141A/B

Alternative to: 007™-5 ms, AT™-5 ms, BPX™-5, DB™-5 ms, DB™-Ultra 2, HP™-5 ms, Rtx™-5 ms, SPB™-5, Equity™-5 ms, ZB™-5 ms

SC-624 Columns

Phase: 6% Cyanopropylphenyl 94% Methyl Polysiloxane.

- Excellent general purpose GC column

- Intermediate polarity
- USP Classification: G43, 467 (OVIs)
- EPA Methods / Normatives: EPA 501.3, 502.1, 502.2, 503.1, 504.1, 524.2, 601, 602, 603, 624, 1624, 8010B, 8021B, 8030A, 8260B

Application areas: EPA method 624, chlorinated hydrocarbons, drinking water volatiles, solvents.
Suitable replacement for: DB-624, CP-1301, HP-624, Rtx-624, Rtx-1301, ZB-624, BP624, 007-624, 007-1301, AT-624.

SC-624 FAST columns

Composition: 6% Cyanopropylphenyl, 94% Methyl Polysiloxane

- Intermediate polarity
- USP classification: G43, 467 (OVIs)
- EPA methods: EPA 501.3, 502.1, 502.2, 503.1, 504.1, 524.2, 601, 602, 603, 624, 1624, 8010B, 8021B, 8030A, 8260B

Alternative to: 007™-624, 007™-1301, AT™-624, CP™-1301, DB™-1301, DB™-624, HP™-1301, HP™-624, Rtx™-624, Rtx™-1301, SPB™-1301, SPB™-624, VF™-624 ms, Vocol™, ZB™-624

SC-624MS columns

Composition: 6% Cyanopropylphenyl, 94% Methyl Polysiloxane - low bleeding

- Mid-polarity Stationary Phase
- USP classification: G43

SC-ACID FAST columns

Composition: Polyethylene glycol (PEG) Acid Modified

- High polarity
- USP classification: G14, G15, G16, G25, G35, G39

Alternative to: 007™-FFAP, AT™-1000, BP™-21, CP™-Wax 58 CB, DB™-FFAP, Nukol™, SPB™-1000, Stabilwax-DA.

SC-FFAP Columns

Phase: Polyethylene glycol (PEG) Acid Modified.

- Polar Phase
- Ideal for low molecular weight acids
- USP Classification: G14, G15, G16, G25, G35, G39

Application areas: Volatile free acids, organic acids, amides, flavors and fragrances compounds
Suitable replacement for: DB-FFPA, HP-FFPA, CP-Wax 58CB, SPB-1000, Stabilwax-DA, ZB-FFAP, BP21, 007-FFAP, AT-1000.

SC-WAX Columns

Phase: Polyethylene Glycol (PEG).

- Industry standard wax column
- Polar phase
- Cross-linked for stability and washing
- USP Classification: G14, G15, G16, G20, G39, G47, USP 467 (OVIs)
- EPA Methods / Normatives: EPA 602, 603, 619, 8121

Application areas: purgeable aromatics (EPA Method 602), Dimethylanilines, FAMES -C4-C18, FAMES C6-C24, nitrosoamines, herbicides, triazines (EPA Method 619).
Suitable replacement for: VF-23MS, DB-23, Silar-5, Rtx-2330, SP-2330.

SC-WAX HT columns

Composition: Polyethyleneglycol (PEG) - high temperature

- High polarity
- Stable up to 400 °C

SC-WAXMS columns

Composition: Polyethyleneglycol (PEG)

- High polarity
- USP polarity: G14, G15, G16, G20, G39, G47, USP 467 (OVIs)
- EPA methods: EPA 602, 603, 619

Alternative to: 007TM-CW, ATTM-Wax ms, BPTM-20, VFTM-Wax ms, DBTM-Wax, HPTM-Wax, OmegaWaxTM, StabilwaxTM, ZBTM-Wax plus

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