

Fused Silica Capillary Columns → MEGA-WAX FAST



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MEGA-WAX FAST

Stationary Phase Specifications

Composition	Polyethyleneglycol (PEG)
Polarity	High polarity
Crossbond	Yes
Equivalent to	007 TM -CW, AT TM -Wax, BP TM -20, CP TM -Wax 52 CB, DB TM -Wax, HP TM -Wax, OmegaWax TM , Rtx TM - Wax, ZB TM -Wax
USP Classification	G14, G15, G16, G20, G39, G47, USP 467 (OVIs)
EPA Methods / Normatives	EPA 602, 603, 619, 8121

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-WAX FAST	0.05 mm	0.05 µm	5 m	260 °C	F-WAX-005-005-5	
MEGA-WAX FAST	0.05 mm	0.10 µm	5 m	260 °C	F-WAX-005-010-5	
MEGA-WAX FAST	0.10 mm	0.10 µm	10 m	260 °C	F-WAX-010-010-10	
MEGA-WAX FAST	0.10 mm	0.20 µm	10 m	260 °C	F-WAX-010-020-10	

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MEGA-WAX MS



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MEGA-WAX



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MEGA-WAX HT



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MEGA-DEX (CHIRAL PHASES)

Mega HT
 High Temperature Columns

HIGH TEMPERATURE COLUMNS

FAST-GC
 columns

FAST-GC

mega^{2D}
 columns

Fused Silica Capillary Columns → MEGA-1 FAST



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MEGA-1 FAST

Stationary Phase Characteristics

Composition	100% Methyl Polysiloxane
Polarity	Apolar
Crossbond	Yes
Equivalent to	007 TM -1, AT TM -1, BP TM -1, CP Sil 5CB, DB TM -1, OV TM -1, HPT TM -1, Rtx TM -1, SPB TM -1, ZB TM -1

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-1 FAST	0.05 mm	0.05 µm	5 m	350 °C	F-1-005-005-5	
MEGA-1 FAST	0.05 mm	0.10 µm	5 m	350 °C	F-1-005-010-5	
MEGA-1 FAST	0.10 mm	0.10 µm	10 m	350 °C	F-1-010-010-10	
MEGA-1 FAST	0.10 mm	0.20 µm	10 m	350 °C	F-1-010-020-10	

Fused Silica Capillary Columns → MEGA-10 FAMEs FAST

MEGA-10 FAMEs FAST



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Stationary Phase Characteristics

Composition	100% Cyanopropyl Polysiloxane
Polarity	High polarity
Crossbond	Bonded
Equivalent to	ATTM-Silar, BPXTM-70, CP-SilTM 88, HPTM-88, RtxTM-2330, SPTTM-2330, SPTM-2331, SPTTM-2560, SPTTM-2380
USP Classification	G5, G8, G48

Application Notes

Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-10 FAST	0.15 mm	0.15 µm	15 m	260 °C	F-10-015-015-15	
MEGA-10 FAST	0.20 mm	0.20 µm	30 m	260 °C	F-10-020-020-30	

Fused Silica Capillary Columns → MEGA-101 FAST

MEGA-101 FAST



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Stationary Phase Characteristics

Composition	100% Polydimethylsiloxane
Polarity	Apolar
Crossbond	Yes
Equivalent to	DC TM -200, HP TM -101, SP TM -2100

Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-101 FAST	0.05 mm	0.05 µm	5 m	350 °C	F-101-005-005-5	
MEGA-101 FAST	0.05 mm	0.10 µm	5 m	350 °C	F-101-005-010-5	
MEGA-101 FAST	0.10 mm	0.10 µm	10 m	350 °C	F-101-010-010-10	
MEGA-101 FAST	0.10 mm	0.20 µm	10 m	350 °C	F-101-010-020-10	

Fused Silica Capillary Columns → MEGA-13 FAST

MEGA-13 FAST



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Stationary Phase Characteristics

Composition	13% Phenyl, 87% Methyl Polysiloxane
Polarity	Intermediate polarity
Crossbond	Yes
Equivalent to	Cp-Sil™ 13 CB
EPA Methods / Normatives	EPA 601, 602, 624

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-13 FAST	0.05 mm	0.05 µm	5 m	340 °C	F-13-005-005-5	
MEGA-13 FAST	0.05 mm	0.10 µm	5 m	340 °C	F-13-005-010-5	
MEGA-13 FAST	0.10 mm	0.10 µm	10 m	340 °C	F-13-010-010-10	
MEGA-13 FAST	0.10 mm	0.20 µm	10 m	340 °C	F-13-010-020-10	

Fused Silica Capillary Columns → MEGA-17 FAST



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MEGA-17 FAST

Stationary Phase Characteristics

Composition	50% Phenyl, 50% Methyl Polysiloxane
Polarity	Mid to High polarity
Crossbond	Yes
Equivalent to	007 TM -17, AT TM -50, BPX TM -50, CP Sii TM 24 CB, DB TM -17, HPT TM -17, Rtx TM -17, SPB TM -50, VF TM -17 ms, ZB TM -50
USP Classification	G3, G17
EPA Methods / Normatives	EPA 604, 608, 619, 8060, 8081

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-17 FAST	0.05 mm	0.05 µm	5 m	340 °C	F-17-005-005-5	
MEGA-17 FAST	0.05 mm	0.10 µm	5 m	340 °C	F-17-005-010-5	
MEGA-17 FAST	0.10 mm	0.10 µm	10 m	340 °C	F-17-010-010-10	
MEGA-17 FAST	0.10 mm	0.20 µm	10 m	340 °C	F-17-010-020-10	

Fused Silica Capillary Columns → MEGA-1701 FAST

MEGA-1701 FAST



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Stationary Phase Characteristics

Composition	7% Cyanopropyl, 7% Phenyl, 86% Methyl Polysiloxane
Polarity	Intermediate polarity
Crossbond	Yes
Equivalent to	007TM-1701, ATTM-1701, BPTTM-10, CP-SilTM 19 CB, DBTM-1701, HPTTM-1701, OVTM-1701, RtxTM-1701, SPBTM-1701, VFTM-1701 ms, ZBTM-1701
USP Classification	G46
EPA Methods / Normatives	EPA 513, 515.2, 552.2, 607, 619, 622, 8091, 8121, 8151A

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-1701 FAST	0.05 mm	0.05 µm	5 m	280 °C	F-1701-005-005-5	
MEGA-1701 FAST	0.05 mm	0.10 µm	5 m	280 °C	F-1701-005-010-5	
MEGA-1701 FAST	0.10 mm	0.10 µm	10 m	280 °C	F-1701-010-010-10	
MEGA-1701 FAST	0.10 mm	0.20 µm	10 m	280 °C	F-1701-010-020-10	

Fused Silica Capillary Columns → MEGA-20 FAST

MEGA-20 FAST



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Stationary Phase Characteristics

Composition	20% Phenyl, 80% Methyl Polysiloxane
Polarity	Intermediate polarity
Crossbond	Yes
Equivalent to	007 TM -7, AT TM -20, Rtx TM -20, SPB TM -20
USP Classification	G28, G32

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-20 FAST	0.05 mm	0.05 µm	5 m	340 °C	F-20-005-005-5	
MEGA-20 FAST	0.05 mm	0.10 µm	5 m	340 °C	F-20-005-010-5	
MEGA-20 FAST	0.10 mm	0.10 µm	10 m	340 °C	F-20-010-010-10	
MEGA-20 FAST	0.10 mm	0.20 µm	10 m	340 °C	F-20-010-020-10	

Fused Silica Capillary Columns → MEGA-200 FAST

MEGA-200 FAST



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Stationary Phase Characteristics

Composition	Trifluoropropyl Methyl Polysiloxane
Polarity	High polarity
Crossbond	Yes
Equivalent to	007 TM -210, AT TM -210, DB TM -200, DB TM -210, OV TM -202, OV TM -210, OV TM -215, Rtx TM -200, SP TM -2401, VFT TM -200 ms
USP Classification	G6

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-200 FAST	0.05 mm	0.05 µm	5 m	300 °C	F-200-005-005-5	
MEGA-200 FAST	0.05 mm	0.10 µm	5 m	300 °C	F-200-005-010-5	
MEGA-200 FAST	0.10 mm	0.10 µm	10 m	300 °C	F-200-010-010-10	
MEGA-200 FAST	0.10 mm	0.20 µm	10 m	300 °C	F-200-010-020-10	

Fused Silica Capillary Columns → MEGA-225 FAST

MEGA-225 FAST



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Stationary Phase Characteristics

Composition	25% Cyanopropyl, 25% Phenyl, 50% Methyl Polysiloxane
Polarity	Mid to High polarity
Crossbond	Bonded
Equivalent to	007 TM -225, AT TM -225, BPT TM -225, CP-Sil TM 43 CB, DB TM -225, HPT TM -225, OV TM -225, Rtx TM -225
USP Classification	G7, G19

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-225 FAST	0.05 mm	0.05 µm	5 m	280 °C	F-225-005-005-5	
MEGA-225 FAST	0.05 mm	0.10 µm	5 m	280 °C	F-225-005-010-5	
MEGA-225 FAST	0.10 mm	0.10 µm	10 m	280 °C	F-225-010-010-10	
MEGA-225 FAST	0.10 mm	0.20 µm	10 m	280 °C	F-225-010-020-10	

Fused Silica Capillary Columns → MEGA-5 FAST



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MEGA-5 FAST

Stationary Phase Characteristics

Composition	5% Phenyl, 95% Methyl Polysiloxane
Polarity	Apolar
Crossbond	Yes
Equivalent to	007 TM -5, AT TM -5, BPT TM -5, CP-Sil TM 8 CB, DB TM -5, HP TM -5 OV TM -5, Rtx TM -5, SE-52, SPB TM -5, ZB TM -5
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, 8141A

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-5 FAST	0.05 mm	0.05 µm	5 m	350 °C	F-5-005-005-5	
MEGA-5 FAST	0.05 mm	0.10 µm	5 m	350 °C	F-5-005-010-5	
MEGA-5 FAST	0.10 mm	0.10 µm	10 m	350 °C	F-5-010-010-10	
MEGA-5 FAST	0.10 mm	0.20 µm	10 m	350 °C	F-5-010-020-10	

Fused Silica Capillary Columns → MEGA-50 FAST

MEGA-50 FAST



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Stationary Phase Characteristics

Composition	50% Cyanopropyl, 50% Methyl Polysiloxane
Polarity	Mid to High polarity
Crossbond	Bonded
Equivalent to	DBTM-23
USP Classification	G5

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-50 FAST	0.05 mm	0.05 µm	5 m	260 °C	F-50-005-005-5	
MEGA-50 FAST	0.05 mm	0.10 µm	5 m	260 °C	F-50-005-010-5	
MEGA-50 FAST	0.10 mm	0.10 µm	10 m	260 °C	F-50-010-010-10	
MEGA-50 FAST	0.10 mm	0.20 µm	10 m	260 °C	F-50-010-020-10	

Fused Silica Capillary Columns → MEGA-624 FAST



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MEGA-624 FAST

(Mega s.n.c.)

Stationary Phase Characteristics

Composition	6% Cyanopropylphenyl, 94% Methyl Polysiloxane
Polarity	Intermediate polarity
Crossbond	Yes
Equivalent to	007 TM -624, 007 TM -1301, AT TM -624, CP TM -1301, DB TM -1301, DB TM -624, HP TM -1301, HP TM -624, Rtx TM -624, Rtx TM -1301, SPB TM -1301, SPB TM -624, VFT TM -624 ms, Vocol TM , ZB TM -624
USP Classification	G43
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, USP 467 (OVIs)

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MEGA-624 FAS1	0.05 mm	0.10 µm	5 m	F-624-005-010-5		
MEGA-624 FAST	0.10 mm	0.10 µm	10 m	F-624-010-010-10		
MEGA-624 FAST	0.10 mm	0.20 µm	10 m	F-624-010-020-10		

Vendor Information

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Standard
 conventional GC columns

STANDARD

**CUSTOM
 DEDICATED
 COLUMNS**

CUSTOM-DEDICATED

dex xeb
 chiral columns

MEGA-DEX (CHIRAL
 PHASES)

FAST-GC
 columns

FAST-GC

GC-MS
 columns

GC-MS COLUMNS

MEGA GAP
 incorporated retention gap
 columns

MEGA-GAP (Incorporated
 Ret.-Gap)

Mega HT
 High Temperature Columns

HIGH TEMPERATURE
 COLUMNS

mega^{2D}
 columns

Fused Silica Capillary Columns → MEGA-ACID (FFAP) FAST

MEGA-ACID (FFAP) FAST



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Stationary Phase Characteristics

Composition	Polyethylenglycol (PEG) Acid Modified
Polarity	High polarity
Crossbond	Bonded
Equivalent to	007TM-FFAP, ATTM-1000, BPTTM-21, CPTTM-Wax 58 CB, DBTM-FFAP, NukoITM, SPBTM-1000, Stabilwax-DATM
USP Classification	G14, G15, G16, G25, G35, G39

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-ACID FAST	0.05 mm	0.05 µm	5 m	260 °C	F-ACID-005-005-5	
MEGA-ACID FAST	0.05 mm	0.10 µm	5 m	260 °C	F-ACID-005-010-5	
MEGA-ACID FAST	0.10 mm	0.10 µm	10 m	260 °C	F-ACID-010-010-10	
MEGA-ACID FAST	0.10 mm	0.20 µm	10 m	260 °C	F-ACID-010-020-10	

Fused Silica Capillary Columns → MEGA-JXR FAST



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MEGA-JXR FAST

Stationary Phase Characteristics

Composition	100% Methyl Polysiloxane
Polarity	Apolar
Crossbond	Yes
Equivalent to	/

Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-JXR FAST	0.05 mm	0.05 µm	5 m	350 °C	F-JXR-005-005-5	
MEGA-JXR FAST	0.05 mm	0.10 µm	5 m	350 °C	F-JXR-005-010-5	
MEGA-JXR FAST	0.10 mm	0.10 µm	10 m	350 °C	F-JXR-010-010-10	
MEGA-JXR FAST	0.10 mm	0.20 µm	10 m	350 °C	F-JXR-010-020-10	

Vendor Information

more categories

Standard
conventional GC columns

STANDARD

**CUSTOM
DEDICATED
COLUMNS**

CUSTOM-DEDICATED

dex xeb
chiral columns

MEGA-DEX (CHIRAL PHASES)

FAST-GC
columns

FAST-GC

GC-MS
columns

GC-MS COLUMNS

MEGA GAP
Incorporated Ret.-Gap
column

MEGA-GAP (Incorporated Ret.-Gap)

Mega HT
High Temperature Columns

HIGH TEMPERATURE COLUMNS

mega 2D
columns

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Fused Silica Capillary Columns → MEGA-PLUS FAST

MEGA-PLUS FAST



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Stationary Phase Characteristics

Composition	Copolymer Polyethylenglycol (PEG) + Methyl Polisiloxane
Polarity	Mid to High polarity
Crossbond	Yes
Equivalent to	unique column

Tune the selectivity of your MEGA-PLUS column choosing between the uniques **MEGA-PLUS 10** (10% PEG, 90% PDMS), **MEGA-PLUS 25** (25% PEG, 75% PDMS), **MEGA-PLUS 75** (75% PEG, 25% PDMS) or contact us to fully personalize your MEGA-PLUS composition!

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-PLUS FAST	0.05 mm	0.05 µm	5 m	280 °C	F-PLUS-005-005-5	
MEGA-PLUS FAST	0.05 mm	0.10 µm	5 m	280 °C	F-PLUS-005-010-5	
MEGA-PLUS FAST	0.10 mm	0.10 µm	10 m	280 °C	F-PLUS-010-010-10	
MEGA-PLUS FAST	0.10 mm	0.20 µm	10 m	280 °C	F-PLUS-010-020-10	

Fused Silica Capillary Columns → MEGA-PS255 FAST



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MEGA-PS255 FAST

Stationary Phase Characteristics

Composition	1% Vinyl, 99% Methyl Polysiloxane
Polarity	Apolar
Crossbond	Yes
Equivalent to	/

Applications

Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-PS255 FAST	0.05 mm	0.05 µm	5 m	350 °C	F-PS255-005-005-5	
MEGA-PS255 FAST	0.05 mm	0.10 µm	5 m	350 °C	F-PS255-005-010-5	
MEGA-PS255 FAST	0.10 mm	0.10 µm	10 m	350 °C	F-PS255-010-010-10	
MEGA-PS255 FAST	0.10 mm	0.20 µm	10 m	350 °C	F-PS255-010-020-10	

Vendor Information

more categories

Standard
conventional GC columns

STANDARD

**CUSTOM
DEDICATED
COLUMNS**

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chiral columns

MEGA-DEX (CHIRAL PHASES)

FAST-GC
columns

FAST-GC

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Fused Silica Capillary Columns → MEGA-SE30 FAST

MEGA-SE30 FAST



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Stationary Phase Characteristics

Composition	100% Methyl Polysiloxane
Polarity	Apolar
Crossbond	Yes
Equivalent to	/

Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-SE30 FAST	0.05 mm	0.05 µm	5 m	350 °C	F-SE30-005-005-5	
MEGA-SE30 FAST	0.05 mm	0.10 µm	5 m	350 °C	F-SE30-005-010-5	
MEGA-SE30 FAST	0.10 mm	0.10 µm	10 m	350 °C	F-SE30-010-010-10	
MEGA-SE30 FAST	0.10 mm	0.20 µm	10 m	350 °C	F-SE30-010-020-10	

Vendor Information

more categories

Standard
conventional GC columns

STANDARD

**CUSTOM
DEDICATED
COLUMNS**

CUSTOM-DEDICATED

dex xeb
chiral columns

MEGA-DEX (CHIRAL PHASES)

FAST-GC
columns

FAST-GC

GC-MS
columns

MEGA GAP
non-porous fused silica columns

Mega HT
High Temperature Columns

mega^{2D}
columns

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Fused Silica Capillary Columns → MEGA-SE54 FAST

MEGA-SE54 FAST



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Stationary Phase Characteristics

Composition	5% Phenyl, 1% Vinyl, 94% Methyl Polysiloxane
Polarity	Low polarity
Crossbond	Yes
Equivalent to	SE-54
USP Classification	G6

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Description	Internal Diameter	Film Thickness	Length	Max Temperature	Code #	Q.ta
MEGA-SE54 FAST	0.05 mm	0.05 µm	5 m	350 °C	F-SE54-005-005-5	
MEGA-SE54 FAST	0.05 mm	0.10 µm	5 m	350 °C	F-SE54-005-010-5	
MEGA-SE54 FAST	0.10 mm	0.10 µm	10 m	350 °C	F-SE54-010-010-10	
MEGA-SE54 FAST	0.10 mm	0.20 µm	10 m	350 °C	F-SE54-010-020-10	