

HPLC Columns and Cartridges

Higgins Analytical HPLC column product part numbers are based on a 2-4-4 character pattern. For example:

TS-1521-C185

is the part number for a conventional 15cm x 2.1mm stainless steel column packed with Targa C18 5µm sorbent.

The two character prefix indicates sorbent and hardware type.

Prefix Character 1 (Sorbent)
 ■X-XXXX-XXXX

C = CLIPEUS
 H = HAISIL 100 or HAISIL 300
 L = HAISIL HL
 P = PHALANX
 R = PROTO 200 or 300
 T = TARGA
 V = HEAVY

Prefix Character 2 (Hardware)
 X■-XXXX-XXXX

FS = Capellini 6-32 column
 PS = Capellini 10-32 column
 S = Stainless steel HPLC Column
 P = PEEK HPLC column
 F = Stainless steel cartridge column
 K = PEEK cartridge column
 R = Sprite Direct-Connect column

Note: Microbore columns have the second character, S, like stainless steel columns, but they are glass lined.

The four center characters indicate the column or cartridge length (cm) and internal diameter (mm).

Center Characters 1 and 2 (Length)
 XX-■XX-XX■

03 = 3cm
 04 = 4cm
 05 = 5cm
 07 = 7.5cm
 10 = 10cm
 12 = 12.5cm
 15 = 15cm
 20 = 20cm
 22 = 22cm
 25 = 25cm
 30 = 30cm
 50 = 50cm

The four center characters indicate the column or cartridge length (cm) and internal diameter (mm).

Center Characters 3 and 4 (I.D.)

XX-XX■-XXXX
 07 = 0.075mm
 M1 = 0.1mm
 15 = 0.15mm
 M3 = 0.3mm
 M5 = 0.5mm
 M8 = 0.8mm
 01 = 1.0mm
 21 = 2.1mm
 30 = 3.0mm
 32 = 3.2mm
 39 = 3.9mm
 40 = 4.0mm
 46 = 4.6mm
 10 = 10mm
 20 = 20mm

The four character suffix indicates sorbent chemistry and particle size.

Suffix Characters 1 to 3 (Phase)

XX-XXXX-■XX
 C04 = Butyl or C4
 C08 = Octyl or C8
 C18 = ODS or C18
 CNP = Cyano or Nitrile
 D04 = 200Å C4
 D18 = 200Å C18
 M08 = HAISIL 100 C8
 M18 = HAISIL 100 C18
 NH2 = Amino
 PHN = Phenyl
 SIL = Silica Gel
 W04 = 300Å C4
 W08 = 300Å C8
 W18 = 300Å C18

Suffix Character 4 (Particle Size)

XX-XXXX-XXX■
 1 = 10µm
 2 = 10 - 15µm
 3 = 3 or 3.5µm
 5 = 4 - 5µm
 7 = 15 - 20µm

Notes:

- (1) Standard configurations are highlighted.
- (2) Polymeric phases have a 3-4-6 pattern. The first two prefix characters are PL. The last character denotes particle size.

PLx-xxxx-xxxxxx

Cartridge Holders

Guards

Two types of holders for 2cm long PEEK and s.s. cartridges are offered.

HK-GUARD-FF Female/Female
 HK-GUARD-FM Direct Connect

Analytical Cartridge Holders

Three internal diameters (2.1, 3.2, and 4.6mm) and three lengths are offered.

HK-HOLD-40 for 4cm long cartridge
 HK-HOLD-50 for 5cm long cartridge
 HK-HOLD-100 for 10cm long cartridge

HAISpeed 10 Cartridge Holders

These 10mm i.d. cartridges are offered in three lengths.

10-HOLD-30 for 3cm long cartridge
 10-HOLD-50 for 5cm long cartridge
 10-HOLD-100 for 10cm long cartridge

HAISpeed 20 Cartridge Holder

20mm i.d. prep guard cartridges require a 25, 35, or a 50mm long cartridge holder:

20-HOLD-25 for 20 x 25mm cartridge
 20-HOLD-35 for 20 x 35mm cartridge
 20-HOLD-50 for 20 x 50mm cartridge