

iLOK® Series

SepaFlash® iLOK® flash cartridges offer users convenience for manual assembly, allowing for a flexible sample loading method: solid load and direct liquid injection. The series is offered in three formats: iLOK® flash cartridge pre-packed with UltraPure silica gel, iLOK®- SL cartridge which is pre-packed with 85% column volume of silica gel and iLOK® empty solid load cartridge comes with screw cap, frits, disbursing unit, O-ring and end tips.



- Innovative column design enables the user with convenient manual assembly and column stacking
- Available in a wide range of cartridge sizes for different sample loading requirements
- Reinforced cartridge body with maximum operating pressure up to 200 psi

iLOK® Flash Cartridges (pre-packed, UltraPure irregular silica, 40–63 µm, 60 Å)

(surface area 500 m²/g, pH 6.5–7.5, loading capacity 0.1–10%)

Item Number	Column Size	Sample Size	Units/Box	Flow Rate (mL/min)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SD-5101-004	4 g	4 mg–0.4 g	20	15–40	115.1	12.8	200/13.8
SD-5101-012	12 g	12 mg–1.2 g	18	30–60	137.8	21.4	200/13.8
SD-5101-025	25 g	25 mg–2.5 g	12	30–60	188.2	21.6	200/13.8
SD-5101-040	40 g	40 mg–4.0 g	12	40–70	188.7	26.8	200/13.8
SD-5101-060	60 g	60 mg–6.0 g	12	60–150	173.3	36.6	200/13.8
SD-5101-080	80 g	80 mg–8.0 g	10	50–100	263.5	31.2	200/13.8
SD-5101-100	100 g	100 mg–10 g	6	80–220	146.6	60.4	150/10.3
SD-5101-120	120 g	120 mg–12 g	10	60–150	277.7	36.6	200/13.8
SD-5101-220	220 g	220 mg–22 g	6	80–220	218.5	60.6	150/10.3
SD-5101-330	330 g	330 mg–33 g	5	80–220	271.6	60.6	150/10.3

- Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

iLOK[®] Empty Solid Load Cartridges

(iLOK[®] empty solid load cartridge with screw cap, frits, disbursing unit, O-ring and end tips.)

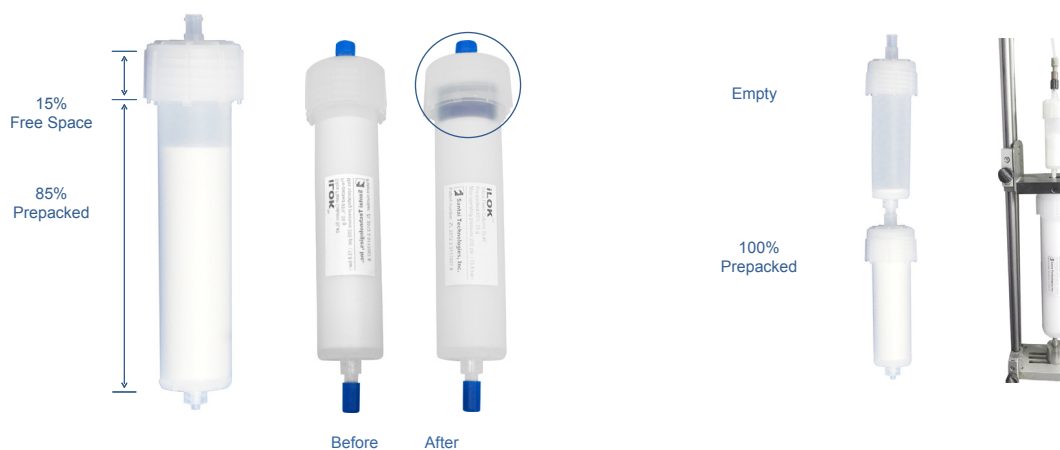
Item Number	Description	Units/Box	Volume (mL)	Cartridge Length (mm)	Cartridge ID (mm)	Max. Pressure (psi/bar)
SD-0000-004	Empty solid load cartridge, 4 g	optional	8	115.1	12.8	200/13.8
SD-0000-012	Empty solid load cartridge, 12 g	optional	27	137.8	21.4	200/13.8
SD-0000-025	Empty solid load cartridge, 25 g	optional	46	188.2	21.6	200/13.8
SD-0000-040	Empty solid load cartridge, 40 g	optional	70	188.7	26.8	200/13.8
SD-0000-060	Empty solid load cartridge, 60 g	optional	104	173.3	36.6	200/13.8
SD-0000-080	Empty solid load cartridge, 80 g	optional	147	263.5	31.2	200/13.8
SD-0000-100	Empty solid load cartridge, 100 g	optional	176	146.6	60.4	150/10.3
SD-0000-120	Empty solid load cartridge, 120 g	optional	215	277.7	36.6	200/13.8
SD-0000-220	Empty solid load cartridge, 220 g	optional	376	218.5	60.6	150/10.3
SD-0000-330	Empty solid load cartridge, 330 g	optional	539	271.6	60.6	150/10.3

- Compatible with all flash chromatography systems, for example ISCO, Biotage, Yamazen, etc.

Configurations for solid loading

Solid sample loading is a useful technique to load sample to be purified onto a column, particularly in the case of low-solubility samples. On this occasion, iLOK[®] flash cartridge is a very suitable choice.

The sample is dissolved in a suitable solvent and absorbed onto diatomaceous earth. After removal of the residual solvent, the adsorbent is put on top of partly filled cartridge or into an empty cartridge.



Configurations 1: iLOK[®]-SL Cartridges

85% pre-packed with silica gel
15% free space for solid loading

Configurations 2: Empty iLOK[®] Cartridge

100% pre-packed with silica gel. Put the pre-adsorbed sample media into an empty cartridge

Optional accessories and bulk silica gel

iLOK[®] empty solid load cartridge with screw cap, frits, disbursing unit, O-ring and end tips with optional bulk silica gel.

NEW! iLOK[®]-SL Cartridges

NEW iLOK[®]-SL (Solid-Load) Openable Columns (Twist-Cap) for Solid Loading with 15% Free Space on the Top!

Flexibility and Performance

iLOK[®]-SL Cartridges offer users convenience for manual assembly, allowing for flexible sample loading methods: solid loading and direct liquid injection. The unique, proprietary dry packing technique guarantees high resolution and reproducibility for everyday purifications.



15% Free Space for Solid Loading

Versatile and Safe

iLOK[®]-SL Cartridges are available in a wide range of cartridge sizes for different sample loading requirements (3.5 g, 10 g, 20 g, 35 g, 70 g, 100 g, 185 g, 280 g), allowing purification from milligram to dozens of grams. They are packed with UltraPure silica (irregular silica or spherical), alumina, C18, C8, C4, Diol, Cyano, Amino, SAX, SCX, ARG, Phenyl or Phenyl-Hexyl, to meet the specific requirements for a variety of sample purifications. Reinforced cartridge body allows for higher pressure up to 200 psi, meanwhile fully compatible with any flash system on the market.

Advantages

- Innovative design enables the user with convenient manual assembly
- Flexible sample loading options
- Higher peak resolution than competing products
- Improved pressure rated up to 200 psi
- Universal fittings provides fully compatibilities with any flash system on the market