

# LiChrospher® 100 RP-18 and RP-18 endcapped

LiChrospher® 100 RP-18 and LiChrospher® 100 RP-18 endcapped are reliable and versatile traditionally produced spherical silica carriers with reversed-phase properties. They are well suited for the chromatography of acidic, neutral and weakly basic compounds, substances found frequently in all analytical fields.

For LiChrospher® RP-18, a masterbatch concept, where several individual batches are used to produce a large batch ("the masterbatch") of the LiChrospher® RP-18 sorbent, is applied with the aim of eliminating the variation between the individual batches.

## Specifications of LiChrospher® 100 RP-18 and RP-18 endcapped

	LiChrospher® 100 RP-18	LiChrospher® 100 RP-18 endcapped
<b>Sorbent characteristics</b>	Particles of silica with octadecyl derivative	Particles of silica with octadecyl derivative endcapped
<b>Particle shape</b>	spherical	spherical
<b>Particle size</b>	5; 10 µm	5; 10 µm
<b>Pore size</b>	100 Å (nm)	100 Å (nm)
<b>Pore volume</b>	1.25 mL/g	1.25 mL/g
<b>Specific surface area</b>	350 m <sup>2</sup> /g	350 m <sup>2</sup> /g
<b>Carbon load</b>	21.0 % C	21.6 % C
<b>Coverage of the surface</b>	3.61 µmol/m <sup>2</sup>	4.09 µmol/m <sup>2</sup>
<b>Efficiency</b>	55,000 N/m; 20,000 N/m	55,000 N/m; 20,000 N/m
<b>pH range</b>	pH 2-7.5	pH 2-7.5
<b>Shipping eluent</b>	Acetonitrile/Water	Acetonitrile/Water

## Ordering information – LiChrospher® 100 RP-18 and RP-18 endcapped sorbents

Product	Ordering No.	Particle size	Package	Quantity
LiChrospher® 100 RP-18	1.16177.0010	5 µm	Glass	10 g
LiChrospher® 100 RP-18	1.16105.0010	10 µm	Glass	10 g
LiChrospher® 100 RP-18 endcapped	1.19637.0010	5 µm	Glass	10 g
LiChrospher® 100 RP-18 endcapped	1.19633.0010	10 µm	Glass	10 g

► **Purospher® STAR RP-8 endcapped** Ideal for less hydrophobic compounds  
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► **Purospher® RP-18 endcapped** Excellent peak symmetry with either basic or strongly acidic compounds  
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► **Purospher® RP-18** Polar endcapped column material  
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► **Superspher®** Silica carrier for highly efficient separations  
page 308

► **LiChrospher®** Silica carrier for constant top-rate results  
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► **LiChrosorb®** Irregular shaped silica sorbent  
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► **Customized packings** Always the right column  
page 366

Accessories for particulate HPLC columns:

► **manu-CART® cartridge holder** for LiChroCART® cartridges  
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► **LiChroCART® cartridge** Different lengths, different internal diameter  
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