



HICHROM

Chromatography Columns and Supplies

LC COLUMNS
LiChrosorb

Catalogue 9

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LiChrosorb®

- Irregular porous silica
- 5 and 10µm particle sizes
- Hichrom high efficiency packed columns

LiChrosorb® is a traditional silica manufactured by Merck Millipore and is available as 60 and 100Å pore size particles. It has been used in HPLC for over 25 years and is well documented in the literature. All Hichrom packed columns use industry standard compression fittings.

LiChrosorb Phases

LiChrosorb Phase	Functional Group	Endcapped	Particle Size (µm)	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)
Silica	-	-	5, 10	60	500	-
			10	100	300	-
RP-8	Octyl	No	5, 10	100	300	9.5
RP-18	Octadecyl	No	5, 10	100	300	16.2
CN	Cyano	No	5	100	300	7
NH ₂	Amino	No	5, 10	100	300	4
DIOL	Hydroxyl	No	5, 10	100	300	8

Ordering Information – Hichrom Manufactured Columns

Analytical (4.0mm i.d.) Columns

5µm LiChrosorb Phase	Column Dimensions ¹ (mm)					Guard Cartridges ² (For 4.0mm i.d. columns)
	50 x 4.0	100 x 4.0	125 x 4.0	150 x 4.0	250 x 4.0	
Silica (60Å)	LI60-5-50AF	LI60-5-100AF	LI60-5-125AF	LI60-5-150AF	LI60-5-250AF	LI60-5-10C5 (5/pk) ³
Silica (100Å)	LI100-5-50AF	LI100-5-100AF	LI100-5-125AF	LI100-5-150AF	LI100-5-250AF	LI100-5-10C5 (5/pk) ³
RP-8	LIRP8-5-50AF	LIRP8-5-100AF	LIRP8-5-125AF	LIRP8-5-150AF	LIRP8-5-250AF	LIRP8-5-10C5 (5/pk) ³
RP-18	LIRP18-5-50AF	LIRP18-5-100AF	LIRP18-5-125AF	LIRP18-5-150AF	LIRP18-5-250AF	LIRP18-5-10C5 (5/pk) ³
CN	LICN-5-50AF	LICN-5-100AF	LICN-5-125AF	LICN-5-150AF	LICN-5-250AF	LICN-5-10C5
NH ₂	LINH-5-50AF	LINH-5-100AF	LINH-5-125AF	LINH-5-150AF	LINH-5-250AF	LINH-5-10C5
DIOL	LIOH-5-50AF	LIOH-5-100AF	LIOH-5-125AF	LIOH-5-150AF	LIOH-5-250AF	LIOH-5-10C5

Analytical (4.6mm i.d.) Columns

5µm LiChrosorb Phase	Column Dimensions ¹ (mm)					Guard Cartridges ² (For 4.6mm i.d. columns)
	50 x 4.6	100 x 4.6	125 x 4.6	150 x 4.6	250 x 4.6	
Silica (60Å)	LI60-5-50A	LI60-5-100A	LI60-5-125A	LI60-5-150A	LI60-5-250A	LI60-5-10C5 (5/pk) ³
Silica (100Å)	LI100-5-50A	LI100-5-100A	LI100-5-125A	LI100-5-150A	LI100-5-250A	LI100-5-10C5 (5/pk) ³
RP-8	LIRP8-5-50A	LIRP8-5-100A	LIRP8-5-125A	LIRP8-5-150A	LIRP8-5-250A	LIRP8-5-10C5 (5/pk) ³
RP-18	LIRP18-5-50A	LIRP18-5-100A	LIRP18-5-125A	LIRP18-5-150A	LIRP18-5-250A	LIRP18-5-10C5 (5/pk) ³
CN	LICN-5-50A	LICN-5-100A	LICN-5-125A	LICN-5-150A	LICN-5-250A	LICN-5-10C5
NH ₂	LINH-5-50A	LINH-5-100A	LINH-5-125A	LINH-5-150A	LINH-5-250A	LINH-5-10C5
DIOL	LIOH-5-50A	LIOH-5-100A	LIOH-5-125A	LIOH-5-150A	LIOH-5-250A	LIOH-5-10C5

Analytical (4.0 and 4.6mm i.d.) Columns

10µm LiChrosorb Phase	Column Dimensions ¹ (mm)		Guard Cartridges ² (For 4.0 and 4.6mm i.d. columns)
	250 x 4.0	250 x 4.6	
Silica (60Å)	LI60-10-250AF	LI60-10-250A	LI60-10-10C5 (5/pk) ³
Silica (100Å)	LI100-10-250AF	LI100-10-250A	LI100-10-10C5 (5/pk) ³
RP-8	LIRP8-10-250AF	LIRP8-10-250A	LIRP8-10-10C5 (5/pk) ³
RP-18	LIRP18-10-250AF	LIRP18-10-250A	LIRP18-10-10C5 (5/pk) ³
NH ₂	LINH-10-250AF	LINH-10-250A	LINH-10-10C5
DIOL	LIOH-10-250AF	LIOH-10-250A	LIOH-10-10C5

¹ Other column dimensions available – please enquire

² Use with free-standing holder HI-161

and column coupler HI-081

– see p.24

³ Starter kits

also available – see p.25