

Jordi Columns

Normal- and Reversed-Phase

- **Rugged**—use at high temperatures, from pH 0–14, with any solvent
- **Silanol Free**—analyze polar compounds without silanol effects

Jordi normal-phase and reversed-phase columns are made from highly pure 5µm DVB, for extremely durable and efficient phases.

Jordi Specifications			
Phase	Particle Size	Pore Size	Description
RP-DVB	5µm	500Å, 1000Å	Reversed-phase, not bonded
C18-DVB	5µm	500Å	Reversed-phase, C18 bonded
Polyamine-DVB	5µm	500Å	Normal-phase

RP-DVB

RP-DVB is a reversed-phase non-polar packing with a high degree of aromatic character. SM-500, with a 500Å pore, is recommended for most applications. LM-1000, with a 1000Å pore, is ideal for molecules 100,000 Daltons or larger.

C18-DVB

C18-DVB has C18 chains bonded to the DVB base. These columns are more hydrophobic than traditional C18 columns and have different selectivities due to the absence of silanols.

Polyamine-DVB

Polyamine-DVB is a normal-phase column for simple sugar and polysaccharide applications. The DVB-based packing provides a non-reactive amine surface that lasts longer and equilibrates faster than traditional silica-based amine columns. Polyamine-DVB columns can be used with aqueous mobile phases, even 1M NaOH. Ideal for carbohydrate analyses requiring sharp peaks and short run times.

Jordi HPLC Columns			
Packing	Format	i.d. x Length	Part No.
RP-DVB (LM-1000Å), 5µm	Analytical	4.6 x 250mm	1005585
C18-DVB (500Å), 5µm	Analytical	4.6 x 150mm	18500
	Analytical	4.6 x 250mm	18501

Jordi All-Guard™ Cartridges*

Packing	i.d. x Length	Qty.	Part No.
RP-DVB (SM-500Å), 5µm	4.6 x 7.5mm	3	1005595
C18-DVB (500Å), 5µm	4.6 x 7.5mm	3	1005601
All-Guard™ Cartridge Holder (Includes Direct-Connect Column Coupler)		ea	80101

*All-Guard™ holder required. Other particle sizes available.



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GPC Columns

Organic GPC

- **Rugged**—highly crosslinked DVB for broad temperature stability and solvent compatibility
- **Powerful**—high pore volume for greater resolution from a single column

Jordi Organic and Aqueous GPC Specifications		
Pore Size	Pressure Limit	MW Range (Daltons)
100Å	8000psig	100–5000
500Å	8000psig	100–10,000
103Å	8000psig	100–25,000
104Å	2000psig	100–2,000,000
105Å	2000psig	10,000–10,000,000
Mixed Bed	2000psig	100–>10,000,000

Jordi HPLC columns, offer unparalleled resistance to shrinking and swelling, as well as better temperature and solvent compatibility than traditional ps-DVB phases.

The high pore volume speeds up your analyses. A single 10 x 500mm Jordi column replaces three 7.8 x 300mm ps-DVB columns and separates the same sample in 40% less time.

Aqueous GPC

Glucose-DVB packings are rugged, hydrophilic packings for separating polar compounds. Glucose units are bonded to the DVB base to yield a hydrophilic surface. Glucose-DVB columns equilibrate faster than silica-based columns.

Jordi Organic GPC Columns*

Pore Size	Format	i.d. x Length	Part. No.
100Å, 5µm	Semi Prep	7.8 x 300mm	10510
	Prep	10 x 250mm	100561
500Å, 5µm	Prep	10 x 250mm	100565
	Prep	10 x 500mm	100567
103Å, 5µm	Prep	10 x 250mm	100569
104Å, 5µm	Semi Prep	7.8 x 300mm	10513
	Prep	10 x 250mm	100573
105Å, 5µm	Prep	10 x 250mm	100577
Mixed-Bed Linear, 5µm	Semi Prep	7.8 x 300mm	10515
	Prep	10 x 250mm	100581
	Prep	10 x 500mm	100583

*Jordi GPC columns are constructed from Type 316 stainless steel. All tubing connections are 1/16" female. Columns are shipped in Chloroform unless otherwise requested when placing order.

Jordi Aqueous GPC Columns

Pore Size	Format	i.d. x Length	Part No.
100Å, 5µm	Semi Prep	7.8 x 300mm	10517
	Prep	10 x 250mm	100761
500Å, 5µm	Prep	10 x 250mm	100765
103Å, 5µm	Prep	10 x 250mm	100769
104Å, 5µm	Semi Prep	7.8 x 300mm	10520
	Prep	10 x 250mm	100773
105Å, 5µm	Prep	10 x 250mm	100777
Mixed-Bed Linear, 5µm	Semi Prep	7.8 x 300mm	10522
	Prep	10 x 250mm	100781
	Prep	10 x 500mm	100783