

Brownlee Spheri-5 and Spheri-10 Columns

The Brownlee Spheri line of columns is based on a small-pore (80 Å) silica-based sorbent for optimized for separating small molecules. Spheri-5® columns are based on 5 µm particle size silica and Spheri-10® incorporates a 10 µm silica particle. The Spheri-5 reverse phase C18 type sorbents are available in a monofunctional comb-type (RP-18) and a polyfunctional loop-type (ODS) which provide slight differences in selectivity.

Features and Benefits

- Small pore size (80 Å) designed for separating small molecules
- Reverse phase sorbents in 5 µm and 10 µm particles sizes and normal phase 5 µm particles

Material Characteristics

Phase*	Particle Sizes (µm)	Pore Size (Å)	Carbon Load	End Capping	pH Stability	Temp. Limit (°C)	USP Code
Spheri-5, -10 RP-8	5.0, 10.0	80	6%	Yes	2.5 – 8.0	60	L7
Spheri-5, -10 RP-18	5.0, 10.0	80	11%	Yes	2.5 – 8.0	60	L1
Spheri-5 ODS	5	80	14%	Yes	2.5 – 8.0	60	L1
Spheri-5 Cyano	5	80	4%	No	2.5 – 8.0	60	L10

Columns with Cartridge Column Hardware

Phase*	Length (mm)	Particle Size (µm)	Qty.	2.1 mm ID Part No.	4.6 mm ID Part No.	Column Holder Code* w/o Guard	Column Holder Code* w/ Guard
Spheri-5 RP-8	100	5	Each	07110004	07110003	07150014	07150016
	220	5	Each	07110006	07110005	07150015	07150017
Spheri-5 RP-18	100	5	Each	07110016	07110015	07150014	07150016
	220	5	Each	07110018	07110017	07150015	07150017
Spheri-5 ODS	100	5	Each	07110022	07110021	07150014	07150016
	220	5	Each	07110024	07110023	07150015	07150017
Spheri-5 Cyano	100	5	Each	07110046	07110045	07150014	07150016
	220	5	Each	–	07110047	07150015	07150017

Columns with Conventional Column Hardware

All columns are 250 x 4.6 mm

Phase	Particle Sizes (µm)	Carbon Load	End Capping	USP Code	Part No.
Spheri-5 RP-8	5	6%	Yes	L7	07120012
Spheri-5 RP-18 (monofunctional)	5	11%	Yes	L1	07120016
Spheri-10 RP-18	10	11%	Yes	L1	07120001
Spheri-5 C18 ODS (Polyfunctional)	5	14%	Yes	L1	07120019
Spheri-5 Silica	5	–	–	L3	07120023