

Inertsil Ph

- Virtually free of trace metal contaminants which can cause peak tailing
- Outstanding peak shape for acids and bases
- Exceptional physical and chemical durability provides long column life
- Vast database of chromatographic applications available to assist in method development
- One of most popular and trusted HPLC columns in industry for nearly 15 years

The original 2-Series Inertsil phases, including ODS-2, C8, Ph, C4 and SIL-150A°, created the high purity silica revolution in the late 1980s. These phases utilize a 99.999% pure silica gel which is extremely durable and free from dents and cracks which can cause premature column failure.

The original Inertsil 2-Series of columns remain some of the most useful and popular on the market today. However, GL Sciences' Inertsil 3-Series phases were a major advancement on the original 2-Series, and generally provide superior chromatography and alternative selectivity to the 2-Series. We recommend starting out with Inertsil Ph-3 for new methods where a phenyl phase is most appropriate.

Particle Size(s)	Particle Shape	Surface Area	Pore Size	Pore Volume	Silica Purity	Bonded Phase	End-Capping	Carbon Load	pH Range*
5 µm	Spherical	320 m ² /g	150Å	1.15 mL/g	99.999%	Phenylethyl Groups	Yes	10.0%	2 - 7.5

* Inertsil phases are known to provide excellent results and long column life at pH levels of 9-10. However, optimum column life may be achieved at a pH between 2 and 7.5.

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