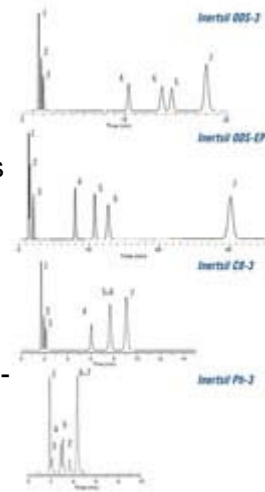


Inertsil Ph-3

- Virtually perfect peak shape for most bases and acids
- Unique selectivity
- Exceptional physical and chemical durability provides long column life
- Vast database of chromatographic applications available to assist in method development
- Very low operating back pressure

Inertsil Ph-3 provides pure reverse phase characteristics that are critical to resolving highly polar compounds like acidic and basic pharmaceuticals. The near perfect phenyl phase coverage on this material results in symmetric, narrow peaks for even the most polar compounds while using simple eluents like aqueous MeCN or MeOH. The need for ion-pair and competing-amine eluent modifiers that are necessary with many other reverse phase columns is eliminated on Inertsil 3-series phases.

The Inertsil 3-series represents a major advance in performance over the original Inertsil 2-Series. Inertsil 3-Series phases, including ODS-3, ODS-3V, ODS-P, ODS-EP, C8-3, Ph-3, ODS-SPRINT, CN-3, NH₂, Diol, and SIL-100A°, are based on a purer, higher surface area silica which is specially manufactured to provide maximum bonded phase coverage. The result is a series of columns which provide excellent peak shapes using simple eluents while operating at low pressure.



Inertsil Ph-3, along with most of the other Inertsil 3-series phases, are available in 3, 5, and 8 micron particle sizes in column configurations ranging from capillary to 50mm ID preparative sizes.

Particle Size(s)	Particle Shape	Surface Area	Pore Size	Pore Volume	Silica Purity	Bonded Phase	End-Capping	Carbon Load	pH Range*
3, 5, 8 µm	Spherical	450 m ² /g	100Å	1.05 mL/g	99.999%	Phenyl Groups	No	9.5%	2 - 7.5

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