

HPLC, LC/MS Columns

InertSustain[®] Cyano

The Most Reliable and Reproducible Cyano Column

Physical Properties

- Silica : Newly Developed ES Silica Gel
- Particle Size : 3 μm , 5 μm
- Surface Area : 350 m^2/g
- Pore Size : 100 $\text{\AA}$ (10 nm)
- Pore Volume : 0.85 mL/g
- Bonded Phase : Cyanopropyl Groups
- End-capping : Yes
- Carbon Loading : 8 %
- pH Range : 2 ~ 7.5
- USP Code : L10



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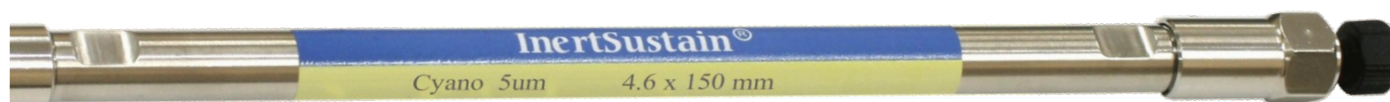
In general, the stability and reproducibility of the Cyano phase available in the market are poor. Many batch -to-batch or lot-to-lot reproducibility issues are occurring at many laboratories.

The InertSustain Cyano columns were developed to resolve these problems and are designed using the most modern LC column technology available providing them to be extremely inert, stable and reproducible.

The InertSustain Cyano columns are highly recommended for all pharmacopeia methods requiring a Cyano phase to be used. (Ex: USP L10)

Benefits

- Endlessly reproducible from column-to-column and batch-to-batch
- Highly recommended for all pharmacopeia methods requiring a Cyano phase to be used (Ex: USP L10)
- Highly inert packing material results in less tailing of peaks for virtually any type of analytes
- A new selectivity option for method development due to the multiple retention mechanisms
- Originally shipped in reversed-phase solvents and is ready to use for reversed-phase methods
- Can be used for both reversed-phase separations as well as normal-phase separations



InertSustain® Cyano

Ordering Information

InertSustain® Cyano Analytical Columns

HP Series Particle Size : 3 µm Max. Operating Pressure: 50 MPa (500 Bar)	Length / I.D. (mm)	2.1	3.0	4.6
	30	5020-89459	5020-89465	5020-89471
	50	5020-89460	5020-89466	5020-89472
	75	5020-89461	5020-89467	5020-89473
	100	5020-89462	5020-89468	5020-89474
	150	5020-89463	5020-89469	5020-89475
	250	5020-89464	5020-89470	5020-89476

* End-fittings are 1/16" Waters-compatible.

Particle Size : 3 µm	Length / I.D. (mm)	2.1	3.0	4.0	4.6
	30	5020-89374	5020-89381	5020-89388	5020-89395
	50	5020-89375	5020-89382	5020-89389	5020-89396
	75	5020-89376	5020-89383	5020-89390	5020-89397
	100	5020-89377	5020-89384	5020-89391	5020-89398
	150	5020-89378	5020-89385	5020-89392	5020-89399
	250	5020-89379	5020-89386	5020-89393	5020-89400
Particle Size : 5 µm	Length / I.D. (mm)	2.1	3.0	4.0	4.6
	30	5020-89251	5020-89258	5020-89265	5020-89272
	50	5020-89252	5020-89259	5020-89266	5020-89273
	75	5020-89253	5020-89260	5020-89267	5020-89274
	100	5020-89254	5020-89261	5020-89268	5020-89275
	150	5020-89255	5020-89262	5020-89269	5020-89276
	250	5020-89256	5020-89263	5020-89270	5020-89277

* End-fittings are 1/16" Waters-compatible.

* Max. Operating Pressure: 20 MPa (200 Bar)

Ordering Information

Cartridge Guard Column E

I.D. of the Analytical Column Applicable (mm)	Length (mm)	I.D. (mm)	Replacement Cartridge E Guard Column		Cartridge E Holder / Cartridge Set	
			(2 EA.)		(2 Cartridge E Guard Columns & 1 Holder)	
			Particle Size		Particle Size	
			3 μm	5 μm	3 μm	5 μm
1.0	10	1.0	5020-89449	5020-89355	5020-89450	5020-89356
1.5,2.1		1.5	5020-89451	5020-89357	5020-89452	5020-89358
2.1,3.0		3.0	5020-89447	5020-89353	5020-89448	5020-89354
4.0,4.6		4.0	5020-89445	5020-89351	5020-89446	5020-89352
2.1,3.0	20	3.0	5020-89455	5020-89361	5020-89456	5020-89362
4.0,4.6		4.0	5020-89453	5020-89359	5020-89454	5020-89360
Holder for Cartridge Guard Column E				For 10 mm Length		5020-08500
				For 20 mm Length		5020-08550

* End-fittings are 1/16" Waters-compatible.

* Max. Operating Pressure: 20 MPa (200 Bar)