

Bio-Inert Chromatography Systems



"Shepard Industries HERO columns have shown better results compared to any PEEK columns & Titanium systems."

- Reduce non-specific protein binding and carryover while improving corrosion resistance in clinical diagnostic, biotechnology, and pharma applications.
 - Get fast, trusted results, even in extreme pH environments.
 - Inert to nearly all buffers and additives used in HPLC
 - Enhances Chemical Compatibility even with solvents like tetrahydrofuran (THF)
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- **Bio-inert Stainless Steel**, 25,000 PSI (1,700bar) pressure rating. Holding much higher pressures than any PEEK system.
 - UHPLC Modular Chromatography System.
 - **Any Stainless Steel Product we produce can be converted to Bio-compatible!**
 - Guard Hardware & Accessories available.
 - Bio-inert, NSF Certified, FDA compliant.

HERO COLUMNS (Bio-Inert)	
	Any LC hardware can be Turned into Bio-Inert Hardware
	Please call 814-692-8333 for more info!
1.0mm (glass)	
1.0050-005HP-HERO	1.0MM X 50MM X 0.5UM HP COLUMN - HERO
1.0050-020-005HP-HERO	1.0MM X 50MM X 2UM & 0.5UM HP COLUMN - HERO
1.0050	1.0mm x 50mm TUBE ONLY
1.0100-005HP-HERO	1.0MM X 100MM X 0.5UM HP COLUMN - HERO
1.0100	1.0mm x 100mm TUBE ONLY
1.0150-020-005HP-HERO	1.0MM X 150MM X 2UM & 0.5UM HP COLUMN - HERO
1.0150	1.0mm x 150mm TUBE ONLY
1.0250-020-005HP-HERO	1.0MM X 250MM X 2UM & 0.5UM HP COLUMN - HERO
2.1mm	
21050-020HP-HERO	2.1MM X 50MM X 2UM HP COLUMN - HERO
21050-005HP-HERO	2.1MM X 50MM X 0.5UM HP COLUMN - HERO
21100-020HP-HERO	2.1MM X 100MM X 2UM HP COLUMN - HERO
21100-005HP-HERO	2.1MM X 100MM X 0.5UM HP COLUMN - HERO
21150-020HP-HERO	2.1MM X 150MM X 2UM HP COLUMN - HERO
21150-005HP-HERO	2.1MM X 150MM X 0.5UM HP COLUMN - HERO
21150-020-005HP-HERO	2.1MM X 150MM X 2UM X 0.5UM HP COLUMN - HERO
21250-020-005HP-HERO	2.1MM X 150MM X 2UM X 0.5UM HP COLUMN - HERO
3.0MM	
30050-020HP-HERO	3.0MM X 50MM X 2UM HP COLUMN - HERO
30050-005HP-HERO	3.0MM X 50MM X 0.5UM HP COLUMN - HERO
30100-020HP-HERO	3.0MM X 100MM X 2UM HP COLUMN - HERO
30100-005HP-HERO	3.0MM X 100MM X 0.5UM HP COLUMN - HERO
30150-020HP-HERO	3.0MM X 150MM X 2UM HP COLUMN - HERO
30150-005HP-HERO	3.0MM X 150MM X 0.5UM HP COLUMN - HERO
4.6MM	
46030-020HP-HERO	4.6MM X 30MM X 2UM HP COLUMN - HERO
46050-020HP-HERO	4.6MM X 50MM X 2UM HP COLUMN - HERO
46050-005HP-HERO	4.6MM X 50MM X 0.5UM HP COLUMN - HERO
46100-020HP-HERO	4.6MM X 100MM X 2UM HP COLUMN - HERO
46100-005HP-HERO	4.6MM X 100MM X 0.5UM HP COLUMN - HERO
46150-020HP-HERO	4.6MM X 150MM X 2UM HP COLUMN - HERO
46150-005HP-HERO	4.6MM X 150MM X 0.5UM HP COLUMN - HERO
46150-020-005HP-HERO	4.6MM X 150MM X 2UM & 0.5UM HP COLUMN - HERO
46250-020HP-HERO	4.6MM X 250MM X 2UM HP COLUMN - HERO
46300-020HP-HERO	4.6MM X 300MM X 2UM HP COLUMN - HERO

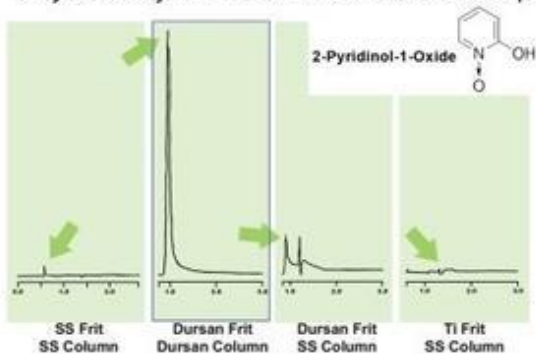
46300-005HP-HERO	4.6MM X 300MM X 0.5UM HP COLUMN - HERO
46300-002HP-HERO	4.6MM X 300MM X 0.2UM HP COLUMN - HERO
7.8mm	
78300-020HP-HERO	7.8MM X 300MM X 2UM HP COLUMN - HERO
78300-005HP-HERO	7.8MM X 300MM X 0.5UM HP COLUMN - HERO
10mm	
10100-020HP-HERO	10MM X 100MM X 2UM HP COLUMN - HERO
10250-020HP-HERO	10MM X 250MM X 2UM HP COLUMN - HERO
10250-005HP-HERO	10MM X 250MM X 0.5UM HP COLUMN - HERO

Prep Hardware	Any Size or μm
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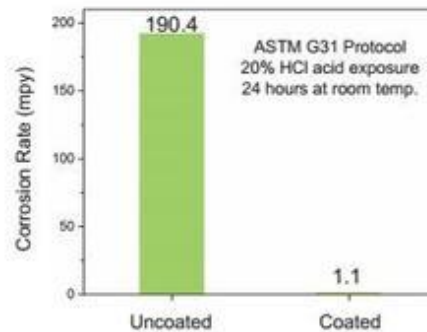
Guard hardware	5mm - 30mm Holders and Replacement Cartridges
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Performance Data & Benefits

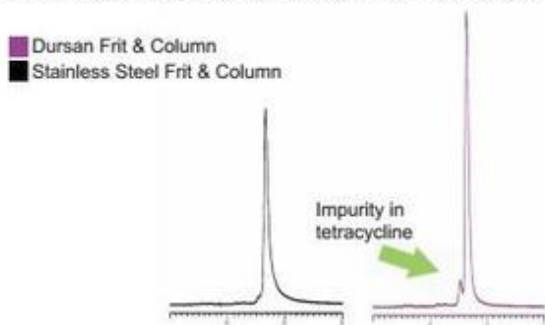
Metal free LC. Powerful metal chelating agent can only be analyzed with a Dursan coated flow path.



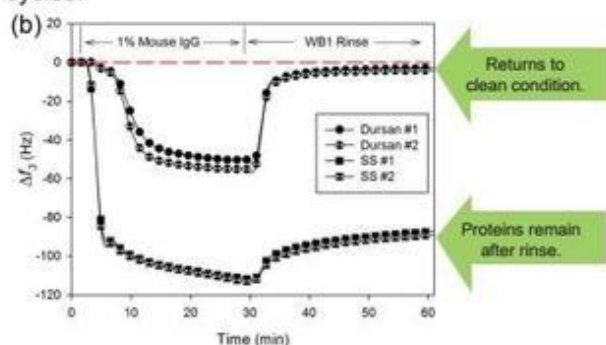
Increase corrosion resistance. Eliminate contamination that causes surface activity and instrument downtime.



Improve analytical accuracy. Impurities in this tetracycline sample may have gone unnoticed. Peak tailing is reduced and peak shape improved.



Reduce surface fouling from proteins and other biomedica. Increase time between maintenance cycles.



Valdya, S.V.; Yuan, M.; Narvaez, A.R.; Daghfal, D.; Maitzela, J.; Smith, D. Appl. Surf. Sci. 2016, 364, 896-908



	7.5MM PEEK COLUMNS
75050-050--PK	7.5MM X 50MM X 5UM PEEK COLUMN
75100-050-PK	7.5MM X 100MM X 5UM PEEK COLUMN
75150-050-PK	7.5MM X 150MM X 5UM PEEK COLUMN
75250-050-PK	7.5MM X 250MM X 5UM PEEK COLUMN
75300-020-PKT	7.5MM X 300MM X 2UM PEEK COLUMN
	4.6MM PEEK COLUMNS
46050-020-PK	4.6MM X 50MM X 2UM PEEK COLUMN
46100-020-PK	4.6MM X 100MM X 2UM PEEK COLUMN
46150-020-PK	4.6MM X 150MM X 2UM PEEK COLUMN
46250-020-PK	4.6MM X 250MM X 2UM PEEK COLUMN
	2.1MM PEEK COLUMNS
21050-020-PK	2.1MM X 50MM X 2UM PEEK COLUMN
21100-020-PK	2.1MM X 100MM X 2UM PEEK COLUMN
21150-020-PK	2.1MM X 150MM X 2UM PEEK COLUMN
21250-020-PK	2.1MM X 250MM X 2UM PEEK COLUMN
21020-GC	21.MM X 20MM PEEK GUARD COLUMN
21PKPA	2.1MM PEEK COLUMN PACKING ADAPTOR
46PKPA	4.6MM PEEK COLUMN PACKING ADAPTOR
75PKPA	7.5MM PEEK COLUMN PACKING ADAPTOR