

Astec Chirobiotic™ HPLC Columns

For Multi-Mode Chiral Separations

- Bonded macrocyclic glycopeptide phases
- Three complimentary selectivities
- High-purity 5µm spherical silica

Chirobiotic™ columns demonstrate a broad selectivity in reversed phase, normal phase, and polar organic modes. This gives Chirobiotic™ columns the ability to separate a greater variety of chiral analytes than columns that can only operate in one mode.

Chirobiotic™ V

Chirobiotic™ V Specifications

Ligand: Vancomycin
Ideal For: Neutral molecules, amides, acids, esters, cyclic amines

Chirobiotic™ V has a selectivity similar to glycoprotein phases while also being stable from 0–100% organic modifiers. New Chirobiotic™ V2 has enhanced selectivity and capacity in the polar organic mode, and increased capacity.

Chirobiotic™ T

Chirobiotic™ T Specifications

Ligand: Teicoplanin
Ideal For: Underivatized amino acids, n-derivatized amino acids, carboxylic acids, phenols, neutral aromatics, cyclic aromatics with aliphatic amines

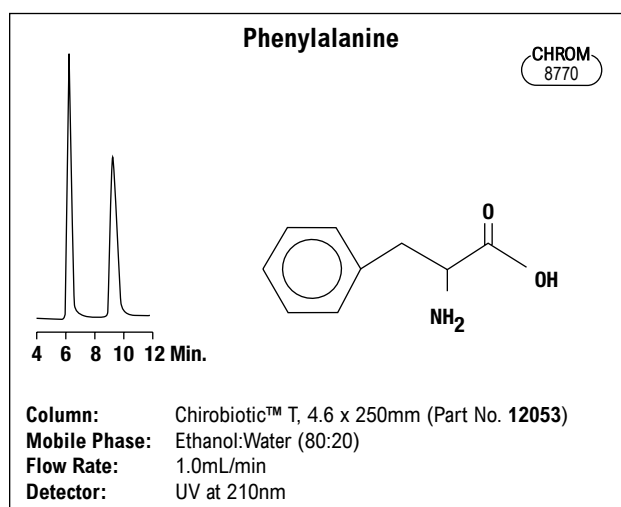
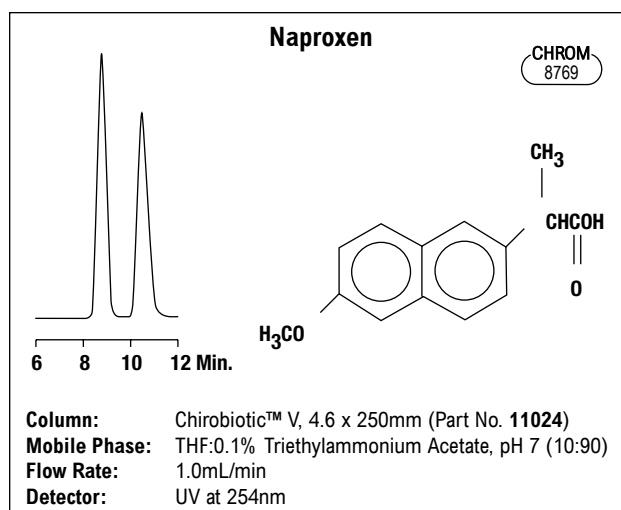
Chirobiotic™ T is an excellent alternative to crown ether and ligand exchange for amino acids and hydroxy acids. New Chirobiotic™ T2 has enhanced selectivity and capacity in the polar organic mode.

Chirobiotic™ R

Chirobiotic™ R Specifications

Ligand: Ristocetin A
Ideal For: Anionic molecules, di- and tri-peptides, α-hydroxy acids, substituted aliphatic acids, aromatic esters, chiral alcohols, secondary and tertiary amines

Chirobiotic™ R is the largest and most complex of the Chirobiotic™ ligands. Sugar moieties, a peptide chain, and additional ionizable groups give this structure the complexity and diversity to separate a wide variety of analytes.



Astec Chirobiotic™ Columns

Packing	Format	i.d. x Length	Part No.
Chirobiotic™ V	Analytical	4.6 x 50mm	11346
	Analytical	4.6 x 150mm	11023
	Analytical	4.6 x 250mm	11024
Chirobiotic™ V2	Analytical	4.6 x 100mm	A15022
	Analytical	4.6 x 150mm	A15023
	Analytical	4.6 x 250mm	A15024
Chirobiotic™ T	Analytical	4.6 x 50mm	11349
	Analytical	4.6 x 150mm	12051
	Analytical	4.6 x 250mm	12053
Chirobiotic™ T2	Analytical	4.6 x 100mm	A16022
	Analytical	4.6 x 150mm	A16023
	Analytical	4.6 x 250mm	A16024
Chirobiotic™ R	Analytical	4.6 x 150mm	12516

Astec Chirobiotic™ Guard Cartridges*

Packing	i.d. x Length	Qty.	Part No.
Chirobiotic™ V, 5µm	4.0 x 20mm	ea	11019
Chirobiotic™ T, 5µm	4.0 x 20mm	ea	12445
Astec Guard Cartridge Holder		ea	11014

*Guard holder required.



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