

ZODIAC[®]
Life Sciences



A SOURCE
FOR
CHROMATOGRAPHY CHEMISTS

We aspire to offer matchless solutions and contribute to the future of Pharma, Life Sciences and diagnostics by setting a new benchmark in chromatography.

Carb Columns



Analysis of carbohydrates, sugars & sugar alcohols in different formulations, matrices and substances is a complex process. Any one carb column cannot separate all carbohydrates

Hence, Zodiac provides a range of columns to select in order to achieve specific, selected separations and analysis of carbohydrates.

Zodiac Carb columns are made of Polystyrene divinylbenzene spherical particles which are modified with metal ligands. It deploys the use of ligand exchange and size exclusion mechanisms and are designed for achieving high resolution for separation of water soluble and partially water-soluble compounds like carbohydrates, sugars, and many other small bio-organic molecules

- Each phase optimized for a different class of compound
- Separates compounds using a combination of size exclusion and ligand exchange mechanisms
- Robust customizable solutions to meet any application needs
- Columns packed with polystyrene divinylbenzene
- Specifically designed to maximize your separation needs

Carb Series	Ionic Form	Key Samples
Zodiac 87C	Calcium	Industry standard for analysis of general sweeteners
Zodiac 87P	Lead	Monosaccharides and cellulose products
Zodiac 87N	Sodium	Molasses and other sugars high salt samples
Zodiac 87H	Hydrogen	Best choice for analysis of carbohydrates found in solution with carboxylic acids, volatile fatty acids, short chain fatty acids, alcohols, and ketones
Zodiac 87K	Potassium	Sugars samples such as brewing wort, betaine
Zodiac USP L-19	Sulfonated cross-linked styrene-divinylbenzene copolymer in the Calcium form	Polysaccharides, monosaccharides, and sugars alcohols
Zodiac USP L-17	Sulfonated cross-linked styrene-divinylbenzene copolymer in the Hydrogen form	Amino Acids, nucleotides to large proteins