

**BIO-RAD**

# Chromatography Solutions for Sugar Analysis

## Precision and Reliability

Lasec® offers specialised chromatography solutions for sugar analysis, including the widely acclaimed **Aminex HPLC columns** by **Bio-Rad**.

These columns are ideally suited for accurate analysis of carbohydrates, alcohols and organic acids in the following fields:

- Food
- Beverage
- Biochemical
- Biofuel
- Biomedical applications



## Why Choose Aminex Columns?

- **Rapid & High-Resolution Results:** Achieve high-resolution separations across various sample types, with some columns capable of providing results within 5 minutes.
- **Versatility:** Suitable for a range of applications, from simple sugar profiling to complex biofuel analysis.
- **Ease of Use:** Minimal sample preparation and no need for derivatisation save time and reduce errors.
- **Compatibility with Diverse Matrices:** From high-salt sugar solutions to fermentation broths, Aminex columns provide reliable results across complex matrices.

Contact your Lasec® Sales Representative today.

*Ts & Cs apply*

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## Key Columns for Sugar and Carbohydrate Analysis

Name	Description	Applications	Specifications	Column Size
<b>1. Aminex HPX-87C</b>	These columns provides the simplicity of isocratic methods, requiring minimal sample preparation—generally only filtration.	Corn syrup, brewing wort	8% cross-linked resin, potassium ionic form, pH range 5-9	300 x 7.8 mm
<b>2. Aminex HPX-87P</b>	This column precisely separates sucrose, lactose, and fructose, making it invaluable for products containing mixed sweeteners.	Dairy products, general carbohydrate analysis	8% cross-linked resin, lead ionic form, pH range 5-9	300 x 7.8 mm
<b>3. Aminex HPX-87H</b>	This versatile column is ideal for analysing carbohydrates in combination with organic and volatile fatty acids.	Organic acid analysis, biofuel analysis, fermentation monitoring	8% cross-linked resin, hydrogen ionic form, pH range 1-3	300 x 7.8 mm
<b>4. Aminex HPX-87N</b>	This column eliminates the need for desalting, simplifying analysis in high-salt environments.	Beet sugars, molasses	8% cross-linked resin, sodium ionic form, pH range 5-9	300 x 7.8 mm
<b>5. Aminex HPX-87K</b>	This column is tailored for analysing monosaccharides, disaccharides, and trisaccharides.	Corn syrup, brewing wort	8% cross-linked resin, potassium ionic form, pH range 5-9	300 x 7.8 mm

For additional support in selecting the right chromatography column for your specific needs, or for a demonstration on maximising results with Aminex HPLC columns, contact our biotechnology application team at [biorad@lasec.com](mailto: biorad@lasec.com)

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