

## HPLC Bio Columns



Biological separations often require unique chemistry to provide high resolution, high efficiency separations. Dionex offers a variety of columns for proteins, peptides, carbohydrates, nucleic acids, and more.

### [Protein Columns](#)

Dionex offers polymer-based columns for the separation of proteins by ion exchange chromatography. Each of these ultra-high efficiency columns provides sufficient resolution to allow separation of protein isoforms that, in many cases, differ by only a single amino acid residue.

### [Carbohydrate Columns](#)

The CarboPac family of columns offers a selection of columns, each optimized for a different class of compounds. Combined with pulsed amperometric detection (PAD)—which provides a means to detect carbohydrates without derivatization—CarboPac columns support simple, reliable techniques to separate sugars.

### [Nucleic Acid Columns](#)

The DNAPac series of polymer-based, anion-exchange columns set the standard for oligonucleotide purity analysis, fast screening, and purification.

### [Amino-Acid Columns](#)

Dionex offers two approaches to amino acid analysis: (1) anion-exchange separation by AAA-Direct in which amino acids are detected directly, without the need for derivatization, or (2) anion-exchange separation with postcolumn derivatization.

### [Peptide Columns](#)

Dionex expands its Acclaim PepMap family of HPLC columns with the introduction of a 50 cm long capillary column. The increased length also increases mass loadability, which is especially beneficial when fingerprinting very low-abundant peptides.

### [Trap Columns](#)

Dionex offers three trap columns for bio applications to reduce sample preparation and ensure your successful chromatographic separation.

