

BioSpect

the business of Bio

24 years of leveraging the business of Bio
www.biospectrumindia.com

Waters launches industry-first reversed-phase bioseparation columns

09 June 2026 | News

To deliver up to 3x faster GLP-1 characterisation and 2x faster LNP component analysis



US-based Waters Corporation has announced the launch of the BioResolve™ Peptide and GTxResolve™ Lipid Phenyl-Hexyl+ and C18+ Columns, a first-of-its-kind reversed-phase (RP) column platform designed to tackle a persistent biopharmaceutical challenge: reliably separating structurally and chemically similar impurities in GLP-1 peptides, insulin, and lipid nanoparticles (LNPs) to support the development of safe, effective drug products.

In GLP-1 receptor agonists and newer mRNA-based therapies such as in vivo CAR T, difficulty resolving impurities can delay time to market, weaken regulatory confidence, and affect patient safety. Traditional RP columns do not always separate low-level or closely related impurities well, often requiring longer analyses, detector-suppressing mobile-phase additives, or repeated method redevelopment.

BioResolve Peptide and GTxResolve Lipid Columns help to overcome these limitations with ready-to-use methods that improve both resolution and speed while fitting into existing workflows.

BioResolve Peptide and GTxResolve Lipid Columns use specially designed surface chemistries and superficially porous particles to deliver precise RP separations with selectivity for two difficult sample types. Available in Phenyl-Hexyl+ and C18+ chemistries with 230 Å pore size particles, they are designed to support efficient mass transfer, consistent performance across U(H)PLC and HPLC systems, and reliable, batch-tested results from early-stage research through manufacturing.

Waters' BioResolve Peptide and GTxResolve Lipid Columns will be available globally beginning June 9, 2026, starting with the 1.6 µm Phenyl-Hexyl+ phase.