Veeda™ Lifesciences

# Peptide Analysis

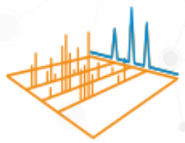
## Employing Comprehensive Array of Techniques & Methods for the Accurate Quantification & Analysis of Peptides

Veeda™ Lifesciences

# Analytical Techniques Used for Separating, Detecting, and Quantifying Peptides

LC-MS (Liquid Chromatography Mass Spectrometry)

Immunoassays



High resolution Mass spectroscopy (HRMS)

## Sample Preparation

Effectively minimizing matrix effects by applying rigorous sample preparation methods involving extraction, purification, and concentration of peptides.

### Sample Preparation Techniques Used

- Solid-Phase Extraction (SPE)
- Liquid-Liquid Extraction (LLE)
- Protein Precipitation

Veeda™ Lifesciences

# Ensuring Optimal Chromatographic Conditions

### Mobile Phase and Stationary Phase Selection

Crucial for separating the peak of interest from interfering peaks.

### Optimization

Adjusting parameters to establish optimal chromatographic conditions for peptide separation.

# Quantification Methods used for Peptide Analysis

**01.** Calibration Standards

**02.** Stable Isotopic Labeling

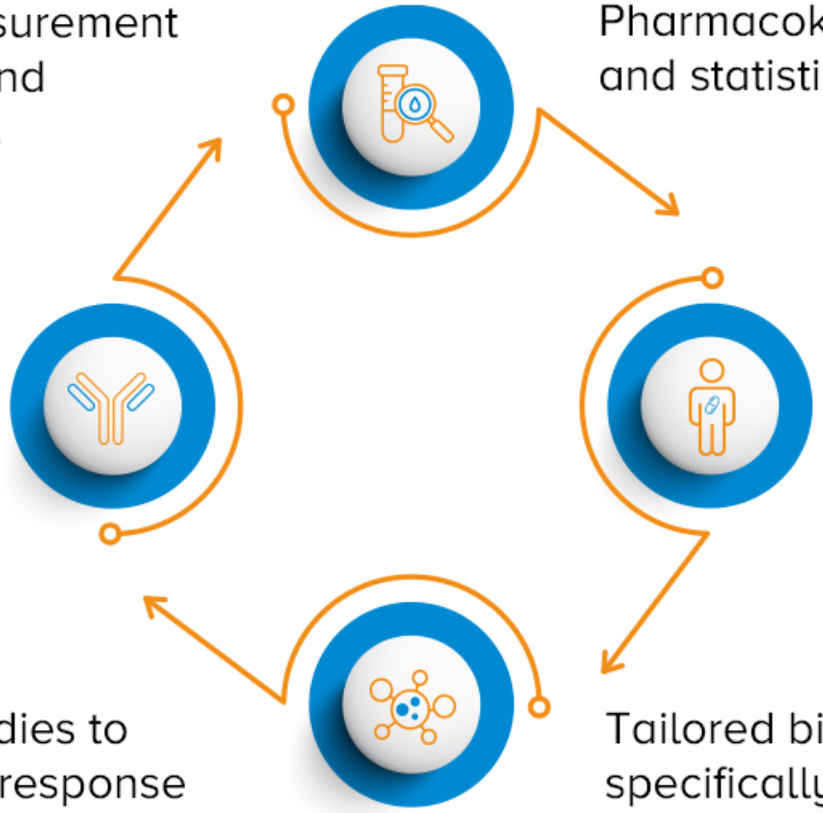
**03.** Label-Free Approaches

Veeda™ Lifesciences

# GLP-1 : Comprehensive Bioanalytical Support

Serum/Plasma Measurement for both reference and biosimilar GLP-1 RAs

Pharmacokinetic (PK) calculations and statistical analysis



Immunogenicity studies to assess the immune response

Tailored bioanalytical methods specifically for different GLP-1 analogues

+91 79677 73000 info@veedalifesciences.com www.veedalifesciences.com

Excellence In Everything