Innovative Peptide Solutions

JPT Peptide Technologies is an ISO 9001 certified and GCLP compliant service provider and R&D partner for peptide-related projects in immunotherapy development, proteomics and drug discovery. Together with our US subsidiary, we serve a worldwide customer base in the pharmaceutical and biotechnology industries as well as at universities, governmental and non-profit organisations.

Innovations for immunotherapy & proteomics

JPT’s proprietary technologies and corresponding product portfolio have helped to advance research efforts in the development of new immunotherapies against infectious and autoimmune diseases, allergies and cancer. JPT’s high quality peptide arrays, peptide pools and GxP peptides enable the development of novel immunotherapeutic applications as well as sophisticated immune monitoring. For the first time, broad and epitope resolved analysis and correlation of the cellular and humoral immune responses of diverse patient populations is feasible. This provides a basis for neo-epitope qualification, monitoring of epitope spreading, patient stratification and development of novel immune diagnostics and therapeutic approaches. In addition, our SpikeMix™ platform permits multiplexed and differential quantification of protein targets from biological samples.

JPT’s core technologies

- PepSpot™ – ultra-high-throughput peptide synthesis
- PepStar™ – patented peptide microarray technology
- SpikeMix™ – peptide pools spanning entire antigens
- PepTrack™ – flexible peptide libraries for T cell assays
- GxP Peptides – high quality peptides for immunotherapy
- SpikeTides™ – peptide standards for proteomics
- SpikeMix™ – stable isotope labeled peptide pools

Collaborations:
- Neo-epitope-based immunotherapies
- Neo-epitope qualification
- Peptide lead identification and optimisation
- Seromarker and epitope discovery and validation
- Development of affinity ligands for therapeutic protein purification
- Enzyme substrate discovery and qualification
- Development of peptide kits for multiplexed biomarker quantification

Strategic outlook

JPT is a key player in the constantly evolving and dynamic world of immunotherapy, immune profiling and proteomics. In addition to high quality GxP peptides for clinical applications, our comprehensive peptide toolbox for neo-epitope qualification, epitope discovery and immune monitoring adds value to the most essential development phases of novel immune therapeutics and diagnostics.

Innovations for immunotherapy & proteomics

- Custom antigen peptides & pools for clinical immune monitoring
- Custom GxP synthesis of peptides and peptide pools
- Serological profiling using biological and clinical samples
- Customised peptide standards for proteomics
- Profiling of enzymatic activities
- Tailored proteome-spanning peptide libraries and microarrays

Catalogue products:
- PepMix™ peptide pools from hundreds of antigens
- RepliTope™ peptide microarrays for pathogens and tumour associated antigens
- Enzyme substrate sets and microarrays for kinases, proteases, acetyltransferases, phosphatases etc.
- Histone code peptide sets and microarrays
- SpikeTides™ Sets & SpikeMix™ for biomarker quantification using mass spectrometry