

Custom Peptide Development

Established in 1984, Neuland Labs is a leading global Contract Development and Manufacturing Organization (CDMO) providing an end-to-end continuum of customised NCE and peptide development services. Neuland's custom peptide synthesis services include production of peptides from milligrams to multi-kilogram scale by standard sequential chemical peptide synthesis and segment condensation strategies. We enable synthesis of linear as well as cyclic peptides with dedicated state-of-the-art facilities for custom peptide synthesis while adhering to green chemistry principles. Our scientific team, comprising PhD holders and postdoctoral researchers, possess extensive expertise in peptide chemistry.

Our Expertise



Platforms:
SPPS, LPPS, Hybrid approaches



Peptide Types:
Linear, cyclic, PEGylated,
disulfide-rich, azido-peptides



Analytical Services:
Method development & validation,
impurity profiling, stability studies



Scale:
Custom synthesis of complex
peptides of any length

Our Capabilities

- **Custom Synthesis**
Simple to complex peptides
- **Process Development**
Route scouting, optimization and validation,
impurity profiling, characterization and
qualification
- **Drug Development Support**
Supply of material for clinical trials
Scale up from lab to pilot to commercialization
- **Large-Scale cGMP Manufacturing**
Clinical trial batches through to commercial
production
- **Regulatory Support**
For IND, NDA and other filings



Neuland's Upcoming Peptide Facility



Neuland's upcoming peptide facility is a fully automated, multi-modular, and multi-product site, offering flexibility, scalability, and dependability to meet the challenging custom development needs of the pharmaceutical industry.

Equipped with high-tech synthesis equipment, automation, and adherence to global regulations, the facility provides smooth transition from early-stage development through to commercial manufacturing.

Facility Highlights

- **Advanced synthesis platforms**
Solid Phase (SPPS), Liquid Phase (LPPS), Hybrid, and Global Deprotection Processes
- **Scalable output**
Tens of kilograms to large-scale commercial manufacturing
- **High complexity**
Supports synthesis of complex peptides of any chain length
- **Integrated technologies**
Precipitation, crystallization, high throughput purification, spray drying, DAC and lyophilization for faster turnaround and cost efficiency
- **Automation & control**
DCS controlled utility plant for simultaneous multiple operations
- **Analytical excellence & large-scale purification systems**

Why it Matters



Speed to Market

Faster turnaround with integrated technologies



Regulatory Readiness

Built to meet global GMP standards



Flexibility

Multi-product, multi-modular design for diverse peptide programs