HONOUR

PEPTIDES, CUSTOM AMIDITES & ADVANCED MODALITIES

Delivering Excellence for the Future of Therapeutics

honourlab.com

Built to Deliver

Early Development To Full Scale Manufacturing

Honour is the CDMO partner of choice for global pharma and biotech innovators. We deliver excellence in **Process Development, Manufacturing** and **Custom Chemical Solutions** across small molecules, peptides, custom amidites and more. With our core expertise in chemistry, we support product development from lab to commercial manufacturing.

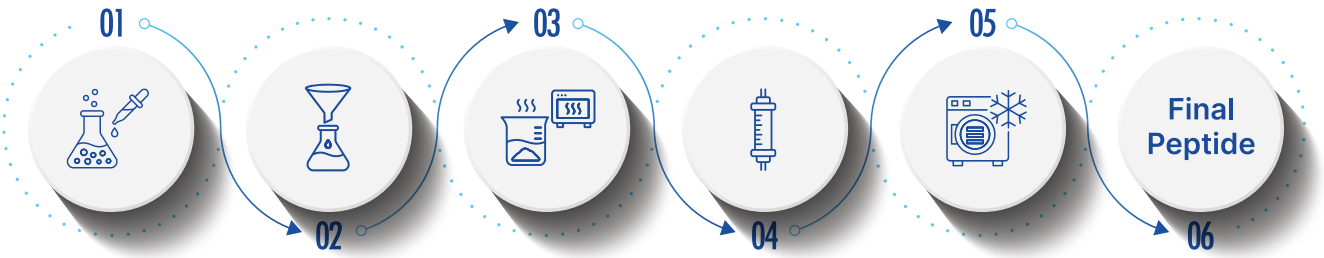
Peptide CDMO Capabilities

- Equipped to handle SPPS, LPPS and Hybrid Peptide synthesis
- Fully automated peptide synthesis across lab and pilot scales
- Lab Scale: 250 mL – 10 L; Pilot: 10 L – 150 L
- Fully automated purification process development system: Dynamic Axial Column (50 mm - 450 mm)
- Nano and TFF based downstream processing
- Programmable Lyophilizer (60 L, 160 L)
- HPLC, UPLC, 2D-UPLC, GC, IC, HRMS (MS/MS), NMR (400 & 600 MHz), IR, UV, Polarimeter

Fully Automated
Peptide Synthesizer

Preparative HPLC systems
- 3L/Min and 8L/min
(with 200 & 450 mm
DAC Column)

Solid Phase Peptide Synthesis (SPPS) Overview



Solid Phase Synthesis
Coupling, Deprotection Washing Cycle

Cleavage and Filtration
Release from Resin Filter, Concentrate

Precipitation & Drying
Precipitate, Wash, Dry

Purification (HPLC/DAC)
Concentration

Lyophilization
Freeze - Drying

Custom Amidites Capabilities

- Team with ~10 years experience
- Delivered ~40 monomers including commodity & custom amidites
- Scaled several amidites up to 25 kg
- Expertise across 2-Deoxy, MOE-series, LNA-series & Morpholino-PMOs
- Process development for triphosphates, MeMOP & light-sensitive amidites
- Emerging GalNAc chemistry
- PMO series scalable processes; 5 kg RFT demonstrated
- Impurity identification & controls for intermediate & finished products
- Storage & packing defined for unstable/hygroscopic PMOs
- Portfolio of custom amidites with sugar/base/dual modifications

Analytical Excellence

- Method development & validation (PDA, RI, CAD, ELSD)
- Thorough control of critical process parameters (CPP)
- Identification & control of reactive/non-reactive impurities
- GTI & nitrosamine assessment
- Impurity profiling (LC–MS/MS, GC–MS, HRMS)
- Stability studies & structural elucidation
- Analytical tools: UV, MS, 31P NMR for impurity identification
- Preparative purification: prep HPLC, flash chromatography, 150 mm DAC

Engagement Models & Deliverables

Commercials:
FFS (time & materials) or milestone-based, Process FTE

Deliverables:
Process development report, batch records, CoA, method packages, tech transfer dossier

Scale-up readiness:
Lab → Pilot with safety and **analytical package**

An Overview

8
Manufacturing Facilities

14+
Years of Experience

300+
Scientists

75,000 ft²
R&D Centre

3,500+
Total Workforce

5,000 m³
Total Production Capacity

Our Global Presence

300+ Customers Globally

Accelerate your **complex molecule journey** now.

Connect with us:
connect@honourlab.com

honourlab.com