



Yee Peptide has the facilities and infrastructure necessary for the synthesis, purification, drying and quality control of peptide drug raw materials. It has been designed and manufactured to meet the standards of excellent pharmaceutical manufacturing facilities and has been approved by the Ministry Of Food and Drug Safety in china to approve the manufacture and quality control of peptide drugs and approval for GMP.

Our Advantages

- Bulk scale solid & solution phase synthesis
- Proportionately scaled HPLC Purification.
- Lyophilization
- Cleanrooms from Class 100,000 to class 10,000
- QA/QC and Regulatory support
- Expertise in all production and purification techniques
- Dedication to quality and GMP compliance

Synthesis Technology

Based on our accumulated technology and know-how for over ten years, Yee Peptide has established various synthesis methods for peptide characteristics, and the composition and length of amino acid, scale, and the synthesis method that is characterized by customer's request are selected.

Solid-Phase Peptide Synthesis(SPPS)

The technology of choice for manufacturing most peptides up to multi-kg quantities, especially those with longer, more complex sequences. We offer F moc-based solid-phase manufacturing.

Solution Phase Peptide Synthesis(SPS)

The technology of choice for manufacturing short peptides or structures that are inappropriate for a resin matrix. This approach ultimately provides a cost-effective process for large-scale manufacture of multi-g to multi-kg lots.



Purification & Isolation

Based on its own developed mass purification technology, it produces high purity products that can be used as raw materials for pharmaceuticals by using industrial HPLC and can be produced in one batch from g scale to kg scale using industrial freeze dryer.

- Purification

100,000 class clean room and 100 class clean booth
Purification system : Column ID 8cm to 20cm Length 50cm
Packing Material : ODS C18, 10 μ m
Purification Capacity : 350 ~ 500g/day

- Isolation (Lyophilization)

100,000 class clean room and 100c class clean booth.
One classified isolation suite with lyophilization capacity up to 50kg (ice capacity);
gram to multi-kilogram quantities of peptides for 1 bath
SUS 316L 15 Tray with over : connected with N2 purge system.
All systems are validated.

QA/QC

To create the highest quality products through GMP validation, every manufacturing process is monitored, from raw material to synthesis, purification, drying, and before product release, they are inspected on numerous qualifications to ensure the also the safest product.

Generic Peptides

Yee Peptide can provide high quality generic peptides produced at GMP facilities at a reasonable price.

Custom Peptides

Yee Peptide utilizes a wealth of experience in peptide synthesis and optimized synthesis techniques to quickly provide a wide range of high quality peptides that the customer desires.

Catalog Peptides

Catalog peptides include Hormones, Neuropeptides, Antibiotic peptides, and Neurotoxins, Which are research-use peptides widely known for their physiologically active properties. Yee Peptide holds about 1000 types of catalog peptides focused on GPCR ligands and peptide Neurotoxins and provides small quantities of products at inexpensive prices.

Cosmetic Peptides

Peptides are important ingredients in global cosmetic products and international brands, primarily for anti-aging applications. Peptides have various cosmetic benefits and each peptide used in products has a specific activity; firming, anti-wrinkle, anti-irritation and reduction in pigmentation. Our experiences of GMP grade peptide manufacture applies equally to cosmetic peptides. Yee Peptide adapts the quality standards to the cosmetic market needs.





cGMP peptides Manufacturing

Yee Peptide acquired early mastery of development and manufacturing of peptides, the short chain amino acids linked by peptide bonds that have enabled new generations of small molecule drugs that closely mimic the body's natural pathways. Now Yee Peptide possesses first-class capabilities to manufacture peptides at industrial scale and in full compliance with the strictest Good Manufacturing Practice (cGMP) standards.

Upstream peptide synthesis

Yee Peptide production plants are endowed with state-of-the-art equipment for solvent supply, peptide synthesis, purification and isolation of active ingredients and intermediates. All equipment and containment is GMP qualified and cleaning validated. Overlapping capacities and sizes of different equipment trains facilitate a smooth scale-up for increases in demand within the product life cycle.

For a wide range of solution phase chemistries, Yee Peptide utilize reactors up to 8,000 liters. For solid phase peptide synthesis (SPPS), it uses reactors up to 1,000 liters, with larger scale-up options currently under construction.

Downstream purification and isolation of peptides

Yee Peptide is committed to the systematic expansion and modernization of its purification equipment in order to ensure the efficient production of ever-increasing amounts of bulk peptide pharmaceuticals.

It uses sophisticated methods for large scale purification campaigns such as preparative high performance liquid chromatography (HPLC), ion exchange (IEX), size-exclusion chromatography (SEC), and ultra-filtration (UF/TFF). The equipment in place permits highly efficient or even continuous manufacturing of extremely pure products up to multi-kg quantities per lot.

For preparative HPLC, dynamic axial compression (DAC) stainless steel columns of up to 60 cm diameter both in batch and continuous mode are packed with the appropriate high performance silica separation phase. For low-pressure chromatography columns up to 80 cm diameter are available. Solvent delivery is ensured from eluent tank farms and containers.

The control of microbiological contamination is a prerequisite for API manufacturing. Class D (ISO 8) and C (ISO 7) clean rooms are supplied via HEPA-filtered, temperature and humidity controlled air, down-flow booths are used for minimizing microbial contamination and protecting operators. Highly active pharmaceutical ingredients are handled in integrated safety workbenches or flexible isolators reaching OEB level 4 (1-10 $\mu\text{g}/\text{m}^3$).

Predefined physicochemical properties of the API can only be achieved by a carefully controlled isolation process. Besides precipitation and crystallization, lyophilization of intermediates and final API is a standard unit operation. Yee Peptide have multiple lyophilizers in different sizes (up to 300 liters) located in clean rooms.

Small molecule manufacturing

Yee Peptide's Peptide Plant also manufactures and offers a range of specialized services for the cGMP Small Molecules.

Small molecule production capabilities include: process development, chiral synthesis, heterocyclic chemistry, metal-catalyzed reactions, hydrogenations, oxidations and reductions using various reagents, enzymatic reactions, and high pressure reactions.



Core value

- **Customer centricity & service** – We offer the highest quality products and services in the industry and we stand for trusting and long-standing partnerships. Our customers appreciate our broad knowledge, experience, and expertise in the entire field of development and production of peptides.
- **Innovation and technology** – We are passionate about innovation with a strong focus on realizing value in all areas of the company.
- **Operational excellence and quality** – The pharmaceutical and biotechnology business requires the most stringent manufacturing standards and demands absolute perfection in quality.
- **People & culture** – Our employees make the difference. We are enthusiastic about technology and constant innovation and at the same time proud of our reliability and our solution oriented, hands-on mentality.
- **Sustainability** – We are convinced that ethically correct behavior and integrity are essential for long-term business success and therefore continuously monitor and improve our social, economic and environmental performance.

Why choose Yee Peptide?

Experienced with complex active pharmaceutical Ingredients - ensuring you a smooth registration process

Yee Peptide Peptides department has a long-standing peptide expertise during which it has consistently provided reliable products and services for the global Life Science research community, and striven to meet the most stringent expectations for quality, delivery timelines, and technical support.

Scalability - we've got you covered from grams to hundreds of kilograms

From small to large-scale production with high quality

Our high-tech good manufacturing practice (gmp) facilities based in china, plus the commitment of our technical and scientific experts to quality, are the cornerstones for continuous compliance. We deliver small-scale to multi-kg active pharmaceutical ingredients (apis) with impurities below 0.5%, and identification and characterization of impurities above 0.10% using orthogonal analytical techniques.

Innovation and automation - our answer to your need for competitive prices with superior quality

Optimized, automated high-yield production

Our long experience in complex apis allows us to optimize the processes for high yields at outstanding quality.

Our high level of process automation allows for cost-efficient and large-scale production resulting in excellent overall material purity (>99.5%). Innovative solutions like continuous chromatography let us use equipment and resources more efficiently and help us and our partners to achieve their commitment to sustainability and environment-friendly production. Our gmp manufacturing sites comply with and surpass the most stringent regulations.

Robust processes and redundancy - to guarantee your supply

Robust processes and supply security

Having our in-house building blocks for peptide synthesis as well as long-term cooperation with trusted suppliers ensures on-time production. Redundancy of multi-purpose equipment and facilities helps to mitigate risks in the supply chain, together with our stock of finished apis and is the key for on-time product deliveries to our customers.



