

AJINOMOTO BIO-PHARMA SERVICES

Small molecules, oligo and
peptides manufacturing



IMPROVING THE HEALTH OF HUMANKIND BY

producing APIs and intermediates
for more than **2.5 billion** doses...

UNLOCK INNOVATION
UNLEASH POTENTIAL



BIO•PHARMA
SERVICES

About

Ajinomoto Bio-Pharma Services is a global network of specialized CDMOs and enabling technologies providing manufacturing services across small molecules, oligonucleotides, peptides, gene therapy, proteins and bioconjugates. With sites in Belgium, India, Japan and the United States, we support programs from early development through commercial supply.

Our small molecule, oligonucleotide and peptide capabilities are backed by decades of experience successfully scaling programs from clinical supply to commercial scale, including innovative platforms for continuous flow, biocatalysis, and green chemistry.

Across our businesses, how we deliver matters just as much as what we deliver. We share a global commitment to quality, operational excellence, sustainability, and dependable partnership to meet our clients' needs.

EU - Belgium

- Small molecule cGMP manufacturing
- Oligo & peptide manufacturing, including AJIPHASE®
- R&D center for small molecules
- Outstanding expertise in:
 - Hazardous chemistry
 - Highly potent APIs (OEB4/5)
 - Continuous flow
 - Green chemistry

Japan

- Oligo & peptide manufacturing
- AJIPHASE® technology
- R&D center for new technologies

US - Ohio

- AAV Development & cGMP manufacturing

India

- Small molecule cGMP manufacturing
- Highly potent APIs (OEB4)

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Proven track record

- 50+ years of HPAPI expertise
- 15+ years in biocatalysis
- 10+ years in continuous flow
- Trusted global customer base

Customer-focused

- Customer-centric approach from development through commercial supply.
- Flexible support for early-phase, late-stage, and commercial programs.
- Dedicated project teams ensuring transparency and responsiveness.
- Reliable delivery of high-quality products, on time and in full.
- Long-term partnerships built on collaboration, trust, and performance.

Supply Chain Security

- Risk based supplier selection & qualification
- Supplier performance monitoring
- Continuous risk & compliance management
- ESG-driven sourcing strategy



DEVELOPMENT, SCALE-UP AND MANUFACTURING

From lab to multi-ton commercial scale

• ~920m³ reactor capacity

• Strong scale-up and technology transfer expertise

• PAT- and QbD-driven process development

• Effective continuous improvement programs



GREEN CHEMISTRY

Successful green-route development

• Biocatalysis

• Selective chemistries

• Water-based chemistry

• Solvent recovery & biosolvents

• Renewable raw materials

• Precious metal recovery



HIGH CONTAINMENT UNITS

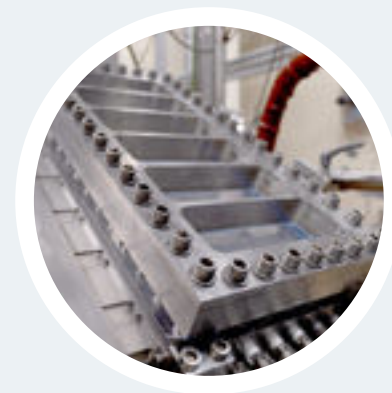
Proven containment down to 0.1 µg/m³/8hr

• In-house OEB/OEL assessment

• Validated cleaning and changeover procedures

• OEB4 globally; OEB5 in Belgium

• Micronization capabilities



CONTINUOUS FLOW

Continuous processing of liquids, slurries, and gas-liquid systems

• In-house technology for:

• photochemistry

• high-pressure & high-temperature reactions (slurry compatible)

• slow and heterogeneous reactions



Dedication to Sustainability

- Supporting customer climate goals
- Carbon footprint reduction using our Ecompass
- Designing safer, PFAS-free chemical processes
- 100% renewable electricity
- SBTi-aligned electrification roadmap
- ISO 14001 certified
- Ecovadis Silver Sustainability Rating FEB 2026

Dedication to Quality

- Robust QC and quality systems
- cGMP compliant
- US FDA, EU, Japan, Brazil, Russia & South Korea approved

Dedication to Safety

- In-house process safety labs
- In-house toxicology support
- ISO 45001 certified
- ISO 27001 cybersecurity certified

