

Your CRDMO Partner in Science CDMO Services



Our Vision

To be the leading Partner in Science globally, providing comprehensive drug discovery, development and manufacturing solutions to enhance patient well-being.



Our Promise

We will, with utmost care for the environment and society, continue to enhance value for our customers by providing innovative products and economically efficient solutions; and for our stakeholders through growth, cost-effectiveness and wise investment of resources.

Caring, Sharing, Growing



Scan to download the digital brochure



With a strong commitment to quality, supply chain and ESG considerations, Jubilant Biosys is emerging as a leading CDMO partner for pharma and biotech companies.

We help companies transition swiftly from preclinical drug development stage to clinical stages with flexible and strong scale-up capabilities.

- We can accelerate your drug candidate through end-to-end development and manufacturing, driving innovative partnerships across the value chain.
- We continue to invest in addition and upgrade of our technologies, processes, capabilities and expertise to offer reliable end-to-end integrated API development and manufacturing services.



Comprehensive CDMO Services & Customised Solutions for your APIs

Development & Manufacturing Services for small molecule programs: from preclinical to phase III & commercial*

- Jubilant Biosys CDMO operates an FDA inspected facility that provides a full range of API development services for preclinical and clinical development, and supply cGMP API quantities from grams to multiple kilograms and metric tonnes.
- To support the development efforts, we provide API stability services, with chambers at room temperature, intermediate and accelerated conditions.

Early Development Solutions

- Custom synthesis
- Route scouting, development
- KSM & RM sourcing & development
- Polymorph screening & salt selection

Process Development, Validation, Scale-up & Tech Transfer

- Analytical method screening, development & validation
- cGMP starting material assessment
- Characterisation of
 impurities & crystal forms
- ICH compliant stability studies
- Process optimisation & development

Intermediate & API Manufacturing

- Pre-formulation & preclinical supply
- Clinical trial material
- Commercial manufacturing

Lifecycle Management

- Process improvement
- Cost improvement
- Yield improvement
- Regulatory filings & support

*All services are supported by dedicated Project Management Team.

Process R&D Capabilities

Jubilant Biosys offers comprehensive process research and development (PR&D) and manufacturing capabilities to support the early CMC campaigns of NCE programs. These combined capabilities ensure well-integrated execution of projects into the clinical phase.

- Route scouting, process design and optimisation
- Development and management of complex multi-step synthesis of APIs having many chiral centers
- DoE / QbD application
- Stereoselective synthesis
- Chiral separations
- Biotransformation

- Solid form development salt and polymorph studies
- Salt screening and polymorph studies
- Low temperature reactions
- High Vacuum Distillation
- High pressure reactions (hydrogenations, reductive amination etc.)
- Process Intensification (continuous flow reactions) DoE application
- Data generation for process safety evaluation
- Kilo Lab (Capacity 5,10 & 20L, heating range @ 200°C & cooling range @ -50°C)

Process R&D: Analytical Capabilities



- Autoclaves (SS & Hastalloy up to 100 kg/cm² pressure)
- Rotavapour
- ^{n²} pressure)
 ^{n²} pr

In API R&D Center, our chemistry and analytical teams work together to manage projects at different stages of development. R&D team provides wide range of CDMO services including custom synthesis, process route development and optimisation to enable scale-up of early stage compounds, up to commercial scale.



GMP Kilo Lab at our API Manufacturing Facility



GMP Scale-up for scale up to 20 kg

Key Activities	Equipment
Different varieties of reaction vessels including a coil reactor for continuous reactions	Capacity: 4.3KL (~250 kg/month)
Distillation: Batch distillation, Atmospheric, Azeotropic high vacuum distillation	cGMP Plant 23 Reactor system
Filtration: Centrifuge/Nutsche Filter/Pressure Nutsche filter/ Agitated Nutsche filter & dryer	8 Glass line reactors 4 Hastelloy reactor 13 SS reactors
Drying: Vacuum Tray Dryer/ Agitated Nutsche filter & dryer/RCVD/FBD	2 Streams of clean rooms 250L SS Hydrogenator @ 10kg/cm²
Milling & Size reduction: Air Jet Mill/Multi Mill/Sifter Absorption: Scrubber for hazardous fumes	20L Rotavapour 20L Lyophilizer
Hydrogenation: Separate area for hydrogenation Lyophilizer and Rotavaps for specific product requirements	200ml Coil reactor for continuous flow reaction 100L SS316L Reactor for cryo reaction (-150°C)

Seamless Scale-up & Technology Transfer

Jubilant Biosys offers reliable and efficient approach to transfer technology and our clients can leverage our proficiency, agility, and extensive capacities to seamlessly propel a product through all developmental and manufacturing phases.

Our dedicated tech transfer team with strong technical expertise helps facilitate speed to market as we collaborate with our partners to ensure successful process transfers, anticipating equipment capabilities and ensuring QbD principles.



~2,70,000 sq. mts. site at Nanjangud, Mysuru, India with a wide range of facilities including cGMP kilo lab, cGMP pilot plant, stability and analytical labs, supporting QC / QA and EHS functions.



Manufacturing site at Nanjangud belongs to Jubilant Pharmova Ltd.

Equipment at Manufacturing Site



API manufacturing facility successfully inspected by regulatory agencies across the globe.



Regulatory Affairs Cell at our manufacturing site possess in-depth knowledge of the regulatory processes across various geographies, including US, Europe, Japan, China, Brazil and Korea. With our in-house experience, we manage the entire regulatory process, including interactions with international regulatory authorities.



"Currently belongs to said parent/associate company."

Our group of experienced and qualified project managers support and manage every contract manufacturing project from kick-off to closure.

- Experienced Project Manager as single point of EHS Process Chemist (PR&D) contact for entire project life-cycle: team communication, schedule, scope, action, risk and issue escalation management. • Process & Tech Transfer Chemists work on seamless hand-over from R&D familiarisationand process TT Chemist (Plant GMP) Supply Chain optimisation (what if studies) to plant scale-up. • Dynochem simulation for plant equipment mapping and **Project** unit operation scalability. • Analytical chemists for method development, Manager validation and transfer to plant QC team. **Plant Engineer** Analytical Chemist (R&D) • EHS for OEB and PDE classification and HAZOP evaluation. • Plant engineer for equipment train set up and readiness. QA/QC to ensure GMP documentation, analysis Quality Assurance Quality Control (Plant) and release.
- Supply Chain to ensure supply strategy and robustness.

Jubilant Biosys is pioneering sustainable CDMO solutions with a commitment to environmental stability.



Why choose Jubilant Biosys for CDMO projects?

- State-of-the-art production facility
- >20 years of manufacturing experience with proven expertise to operate large scale chemical operations
- 900+ MT reactor capacity
- 20+ clean rooms
- R&D centers with dedicated DoE/QbD cell for quality and process robustness
- Highly experienced team PhDs with overseas exposure
- State-of-the-art analytical department, equipped with high-end

equipment - XRD, LCMS, ICP-MS & LC HRMS etc.

- Diverse reactor capacity ranging from 10 L to 15,000 L
- Dedicated regulatory team to ensure process and technologies are compliant to global regulatory norms
- Focus on EHS: Zero discharge facility, valid hazardous waste authorisation and renewable energy
- Sustainable, cost optimal, and robust supply chain for competitive advantage and uninterrupted supplies
- Successful inspections by regulatory agencies across the globe including U.S.FDA, EMA, PMDA, and ANVISA



Our World-class Infrastructure

Integrated Drug Discovery Center (IDDC)



Bengaluru, India Chemistry Innovation Research Center (CIRC)



GN, New Delhi India

Contract Development & Manufacturing Center (API CDMC)



GN & Noida, New Delhi India

Advanced Intermediate & API Site



NNJ*, Mysuru India

Why Choose Jubilant Biosys?



*Manufacturing site at Nanjangud (NNJ) belongs to Jubilant Pharmova Ltd.