

Turbhe, Maharashtra, India

Generic Peptide APIs

Peptides for Toxicology & Clinical Trials

With our acquisition of Hemmo Pharmaceuticals Pvt. Ltd., one of the few pure-play synthetic peptide API manufacturers in the global marketplace, we now offer multigram to kilogram GMP peptides for Clinical Trials and a portfolio of peptide API products. This is another example of how we are continually enhancing our ability to provide integrated solutions and expanding the ways in which we can help reduce the burden of disease on patients.



R&D Capabilities

- Non-GMP facility in Thane, Mumbai, India
- Reaction facility from milligram to multigram
- 5 independent synthetic lines
- 2 downstream process lines with axial compression columns for chromatography
- 2 dedicated freeze dryers for development
- Reverse osmosis facility
- Team of 11 scientists led by 2 PhDs with vast experience in peptide chemistry



Manufacturing Capabilities

- GMP facility in Turbhe, Navi Mumbai, India
- 4,500 liters total reactor volume
- 200 liters reaction vessels for solid phase synthesis
- Up to 2,000 liters tanks for synthetic modifications and downstream processing
- 14 individual production lines capable of operating simultaneously
- 11 downstream processing lines (HPLC purification, reverse osmosis, filtration)
- Successfully scaled-up over 12 peptide APIs for commercial supplies
- A site expansion that will triple capacity of the manufacturing plant is underway



Our peptide facilities have been successfully inspected by numerous regulatory agencies including the World Health Organization, US FDA, European Directorate for the Quality of Medicines & HealthCare, Italian Medicines Agency, ECC-Germany, and the Korean Ministry of Food and Drug Safety. The site averages more than 10 customer audits every year.



Product List:

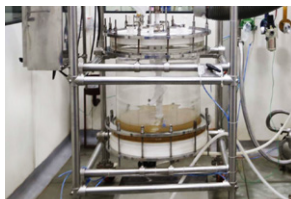
We also offer a product portfolio covering almost 90% of all generic peptide APIs (commercialized and under development).

Commercial Products

Buserelin Acetate* | Calcitonin Salmon Acetate | Carbetocin Acetate | Cetrorelix Acetate | Desmopressin Acetate
Gonadorelin Acetate* | Leuprorelin Acetate | Octreotide Acetate | Oxytocin Acetate*
Oxytocin conc. Solution | Terlipressin Acetate | Tetracosactide Acetate | Vasopressin Acetate

Products Under Development

Abaloparatide Acetate | Atosiban Acetate | Lanreotide Acetate | Liraglutide Acetate
Semaglutide Acetate | Teriparatide Acetate | Triptorelin Acetate



* Veterinary Drug

OUR GLOBAL PRESENCE

 Riverview	HPAPI Development & Manufacturing USFDA, PMDA	1
 Sellersville	Formulation Development & Manufacturing USFDA, EMA	2
 Lexington	Sterile Development & Manufacturing USFDA, PMDA	3
 Grangemouth	ADC Development & Manufacturing USFDA, MHRA	4
 Morpeth	API & Formulation Development & Manufacturing USFDA, MHRA	5
 Aurora	API Development & Manufacturing USFDA, PMDA	6



7	 Digwal	API Development & Manufacturing USFDA, MHRA
8	 Turbhe	Peptide API Development & Manufacturing USFDA
9	 Ennore	API Development & Manufacturing WHO-GMP
10	 Ahmedabad-PDS	Drug Discovery
11	 Pithampur	Formulation Manufacturing USFDA, EU Finland, ANVISA
12	 Ahmedabad-PPDS	Formulation Development USFDA, EU Finland
13	 Mahad	Formulation Manufacturing (Indian Market), Vitamin & Nutritional Premixes USFDA, WHO-GMP
14	 Rabale	API Development
15	 Hyderabad*	Vaccines & Biologics Process Development & Manufacturing

*Yapan Bio: A Piramal Pharma Ltd. Associate Company



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