

Turbhe, 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.

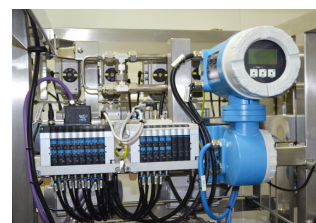


Product List:

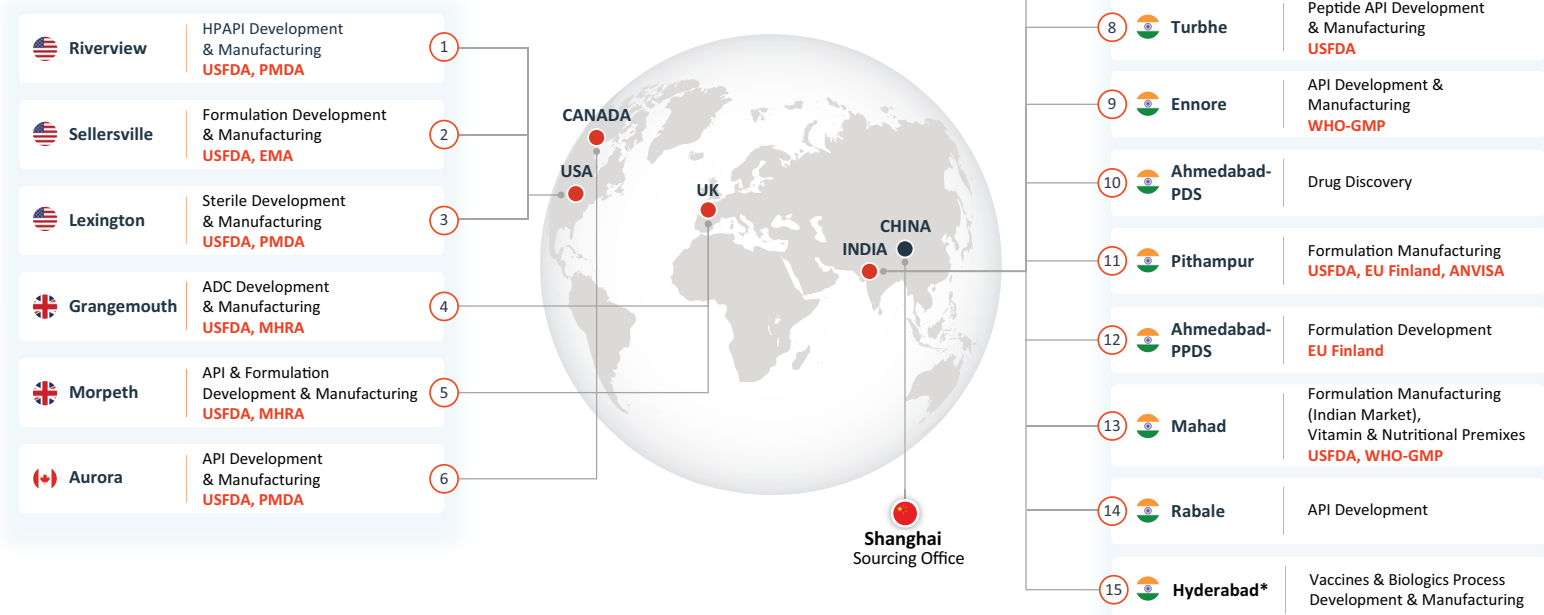
We also offer a product portfolio covering almost 90% of all generic peptide APIs (commercialized and under development).

Commercial Products	Products Under Development
Buserelin Acetate*	Abaloparatide Acetate
Calcitonin Salmon Acetate	Atosiban Acetate
Carbetocin Acetate	Corticotropin Acetate
Cetrorelix Acetate	Glatiramer Acetate
Desmopressin Acetate	Glucagon Acetate
Gonadorelin Acetate*	Lanreotide Acetate
Leuprorelin Acetate	Linaclotide Acetate
Octreotide Acetate	Liraglutide Acetate
Oxytocin Acetate*	Plecanatide Acetate
Oxytocin conc. Solution	Semaglutide Acetate
Terlipressin Acetate	Teduglutide Acetate
Tetracosactide Acetate	Triptorelin Acetate
Vasopressin Acetate	

* Veterinary Drug



OUR GLOBAL PRESENCE



*Yapan Bio: A Piramal Pharma Ltd. Associate Company



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