

Syngene

Putting Science to Work

Animal Healthcare services

Enabling safe, cost-effective
products – molecule to market



Ecosystem of Service offerings for Animal healthcare – from Discovery to Manufacturing



Discovery

- Assay Biology
- ADME & PK
- Protein Sciences
- Antibody Discovery
- Cell Line Engineering
- Genomics & Translational Biology
- Mechanistic Hepatotoxicity Prediction
- NGS and Multi-Omics Analysis
- Target Dossiers
- Systems Modelling (QSP)
- Drug Repurposing
- Synthetic Chemistry
- Library Synthesis
- Peptide Synthesis
- Medicinal Chemistry
- CADD
- Nucleoside and Carbohydrates



Development

- Route Scouting
- Salt and Polymorph Screening
- Process Design, Optimization & Development
- Process Engineering Data Generation
- Analytical Development
- Process Hazard Analysis
- Stability Studies and Regulatory Support
- Central Laboratory Services
Encompassing Clinical/Safety Lab
- Bioanalytical Services for Large Molecules
- ICH stability studies
- Statistical analysis, Bracketing & matrix approach
- Commercial stability studies
- Development – Microbial and Mammalian Expression systems
- Manufacturing Process characterization
- Tox to clinical supply
- Large scale cGMP Manufacturing - 100L, 500L and 2000L (Single Use)
- Material supply for commercialization
- Virus Clearance Studies

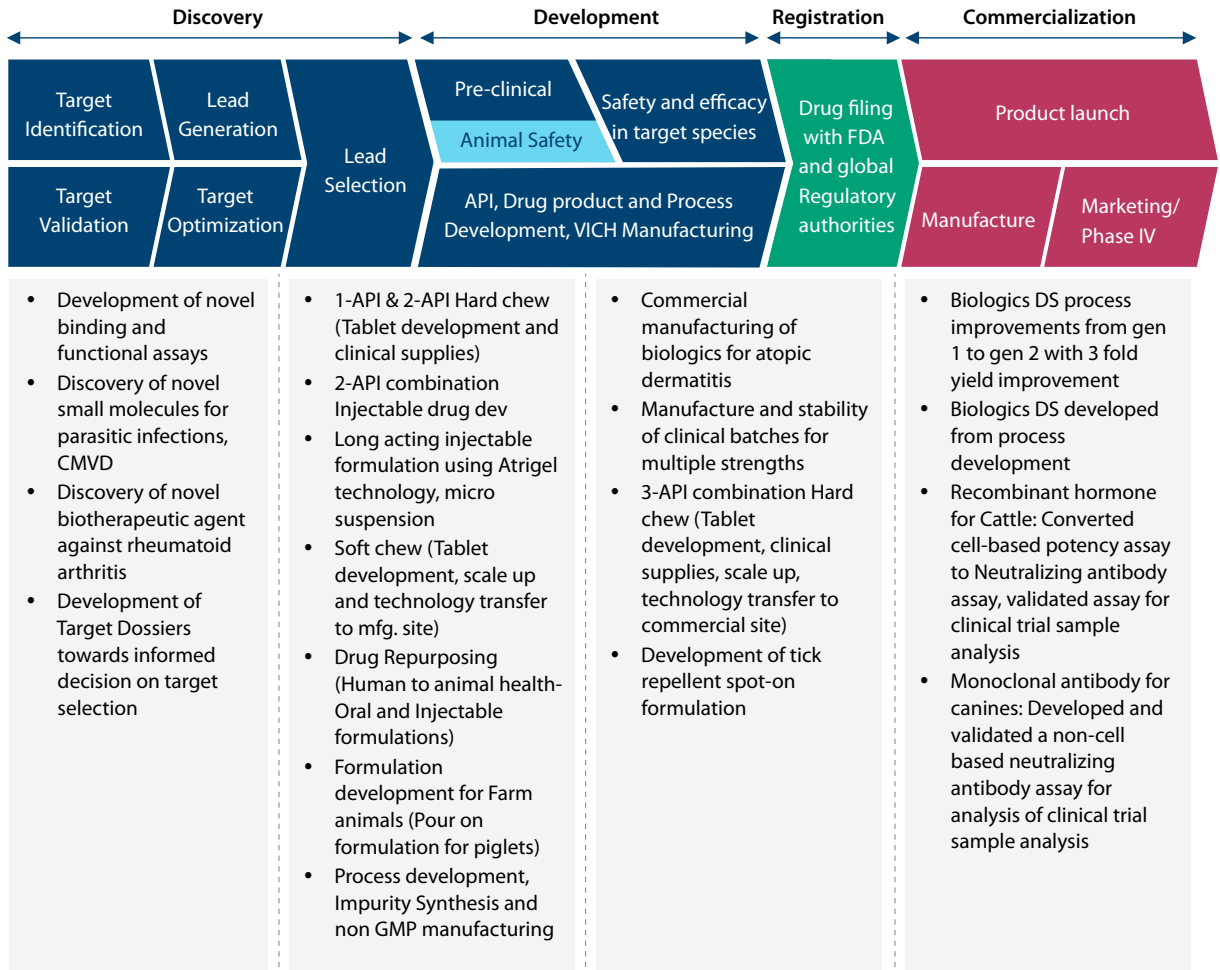


Manufacturing

- Pre-formulation and preclinical development
- Formulation Development (chewable tablets, spot-on and pour-on)
- Enabling formulation approaches (SDD, HME)
- Injectable product development (RTU, Lyo, Nano suspensions/emulsions, Extended release depot)
- Analytical method development and validations
- Scale up and technology transfer
- Registration batches
- Small-scale supply of API and Intermediates for pre-clinical
- Tox to clinical supply - large scale cGMP manufacturing through dedicated model or external partner
- External partner identification based on capabilities (cryogenic, hydrogenation, cyanation etc.)
- Material supply for commercialization
- Vertical Integration of supply chain

Legend: Areas in which Syngene has executed projects in the past for Animal Healthcare companies

Programs executed across Animal healthcare Drug development lifecycle



Syngene can be a Strategic partner for your requirements across small and large molecules

Small Molecules



Chemical Development

- Development of APIs (all classes except antibodies and steroids)
- Commercial manufacturing and supplies



Formulation Development

- Development of different dosage forms, Clinical supplies
- Product life cycle management support (*API, Formulation, Packaging & Regulatory changes and compliance*)
- Commercial manufacturing



Analytical & Stability testing

- Commercial center of Excellence
- Analytical testing services

Large Molecules



Development & Manufacturing

- DS development and manufacturing
- Formulation development, Process characterization studies, Advanced protein characterization, Clinical & commercial manufacturing, Bulk harvest testing, Virus clearance studies, Stability studies



Bioanalytical Service

- Immunoassay development and validation for Pharmacokinetics, Pharmacodynamics, Biomarkers and Immunogenicity
- Cell based potency assay development and validation
- Analysis of trial samples as per GLP/GCLP, USFDA/EMA guidelines

To know more about our Animal Healthcare services or to contact our experts, [click here](#) 



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About Syngene

Syngene International Ltd. (BSE: 539268, NSE: SYNGENE, ISIN: INE398R01022) is an integrated research, development and manufacturing services company serving the global pharmaceutical, biotechnology, nutrition, animal health, consumer goods and specialty chemical sectors. Syngene's more than 5200+ scientists offer both skills and the capacity to deliver great science, robust data management and IP security and quality manufacturing at speed to improve time-to-market and lower the cost of innovation. With a combination of dedicated research facilities for Amgen, Baxter and Bristol-Myers Squibb, as well as 2 Mn sq. ft of specialist discovery, development and manufacturing facilities, Syngene works with biotech companies pursuing leading-edge science as well as multinationals, including GSK and Merck KGaA.

For more details, visit www.syngeneintl.com or write to us at bdc@syngeneintl.com

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