



Aragen's Oncology solutions: Accelerate your cancer therapeutics development

Globally, cancer is one of the most discussed and researched therapeutic segments. The scientific community has been working hard on the prevention and early detection of this deadly illness that is estimated to inflict around 33 million people worldwide. Many pharmaceutical industries and research institutions are constantly working to better understand the disease and identify the cure, but it remains a monumental task to even come close to developing remedies that can be customized to target various types of cancer and address its dynamic behavior. Developing tailored treatments for every patient in need should be the objective, but advances in medical knowledge demonstrate that we are still a long way from it.

Role of CROs and CDMOs:

Over the last decade, there has been a significant shift in the cancer research and development business. Big biotechnology and pharmaceutical organizations are shifting to a business strategy that depends significantly on outside partners. Since the previous decade, there has been a great increase in the number of businesses engaging in research rather than an increase in the number of product proposals. As a consequence of this expansion, it is now feasible to outsource the major portion of the development process from external research organizations and access the scientific and procedural advancements required to produce therapeutic molecules in an efficient and cost-effective manner.

Aragen Advantage:

- We offer solutions from lead candidate selection to their development, preclinical trials, clinical trials, and GMP manufacturing under one roof.
- Dedicated teams of research scientists from diverse scientific domains tirelessly working to identify the potency of each project of every client.
- Decades of experience, which has led to sharper optimization of the protocols, mitigating the risks associated with product development.

- Different teams work together to eliminate needless delays through effective communication and data exchange. Given the importance of data security, complete system is supported by a high-throughput IT infrastructure, allowing for fast transmission of data solely to the customer.
- Aragen's oncology research solutions aim to provide safe and effective strategies to help the clients develop therapies to prevent, diagnose, and eventually cure various types of cancer. Aragen is committed to transforming the lives of people impacted by cancer, with a curative resolve fueled by science and innovation.
- At Aragen, solutions can be customized to meet the varying needs of clients and are delivered without compromising on the novelty that every project brings. We focus on aggressive timelines for delivery of every project, handled with a diversity of thoughts within multi-disciplinary teams with excellent pharma and biotech pedigree.
- Aragen has a client network that includes healthcare professionals, academic research centers, pharmaceutical companies, and innovative biotech organizations worldwide. Together with them, we have developed numerous oncology therapies and, together, we are helping to pave the way for future development.

Two cutting-edge oncology facilities in San Francisco, California, and Hyderabad, India, Aragen provides a variety of worldwide contract manufacturing services. Each plant is among the most technologically sophisticated facility in the field. Our technological superiority, along with our scientific competence, has resulted in an industry reputation for dependability that is unrivalled. It offers end-to-end integrated or standalone solutions for small and large molecules. Established in 2001, the company operates through a team of 3000+ scientists and 450+ PhDs. Its expertise and experience have enabled over 450 customers to advance their research programmes from discovery through commercialization. Aragen's innovative mindset, infrastructure, and flexible business models have enabled us to serve large pharma, biotech, agrochemical, animal health, and performance chemical industries globally. Our various facilities are described next.

Aragen's Animal Facility: Vivarium Certification, Compliance and QC

Certification and Compliance

AAALAC accredited rodent vivarium facility. In house facility for rodent equipped with IVC and conventional cages.

Regulatory: -

1. OHSAS (Occupational Health & Safety Assessment series)
2. OLAW (Office of Laboratory and Animal Welfare)
3. Institutional Animal Ethics Committee (IAEC) constitute External members and CPCSEA nominee
4. Protocols of study experimentation are approved by IAEC
5. Bio-waste disposal management registered under State pollution board
6. EMS (Environment Management System as per ISO 14001)

Quality Systems

Procurement of animals from Taconic and Charles River vendor designee.

Documentation of animal health status on receipt.
Subjecting all newly arrived animals to quarantine.
Physical examination of animals by veterinarian.
Subjecting animals for clinical tests:

1. Parasitological examination
2. Haematological
3. Biochemical
4. Microbiological examination of faeces for pathogenic organisms on blood agar

Feed, water, and bedding material analysis.

Ethical efforts to avoid pain and distress to animals subjected to experimentation.

Anaesthesia and euthanasia as per CPCSEA & AAALAC guidelines.

Aragen's *In Vivo* Infrastructure and Personnel Facilities

Infrastructure

Vivarium (rodent studies) in Bay Area.

1. 4 self-contained test suites
2. 16 animal housing rooms
3. 4 animal procedure rooms
4. Biosafety level 2 suite with 3 animal holding rooms.
5. 5 wet labs
 1. Molecular, Protein, and Cell Based Assays
 2. Suspension, adherent, primary cell culture Registered with USDA.

Nebulization (Inhalation Tower) Therapy.

Personnel

Staff Includes:

1. Scientists with PhD and >15yrs experience in academia and industry
2. Technicians with >15yrs experience in laboratory animal facilities
3. Experienced research associates
4. One full time staff member is a veterinarian
5. Trained histologist on staff
6. Cell Biology Lead program scientist: >15 years' experience in immunology

Support for *Ex vivo* analysis (e.g., gene expression, cytokine analysis, histology etc.).

Integrated Program Experts with Virology/Infectious Disease; Respiratory Disease; Fibrosis; Oncology; Immunology; Biomarker Development.

Attending veterinarian with board certification; Attending Veterinarian can order clinical drugs for animal research use.

Consultants from Stanford University or other academic or industrial institutions in Bay Area contribute to unique custom research programs.

Let's begin the
Conversation

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