Your partner for timely, accurate and high-quality preclinical efficacy studies

Aragen is a preclinical CRO that offers comprehensive high-quality preclinical efficacy services to help advance your discovery efforts to IND. Collaborating with us provides you access to

state-of-the-art facilities and a team of experts with in vivo disease models and in vitro and ex vivo assays that support multiple therapeutics or disease areas.

Experience that counts
15+ years of experience

Expertise that delivers
2000+ successful studies

Exemplary track record
20+ programs in clinical development, most advanced in Phase II

The Aragen Advantage

- 15,000 sq ft vivarium and laboratory, Morgan Hill, CA
- Local to San Francisco Bay Area
- *In vivo, ex vivo, in vitro* and histology capabilities under same roof

- Complete package of vivarium and wet labs
- Multiple suites for rodent housing with attached procedure rooms
- BSL2 suite and housing for infectious disease studies

- Active registration with DEA
- Registered with USDA
- OLAW assurance for government-funded studies
- AAALAC-accredited

- PhD Scientists with >15 years experience in academia and industry
- Technicians with >10 yrs experience working with laboratory animals
- Expertise in Oncology, Fibrosis, Molecular Cell Biology, Immunology, and Virology

- *In Vivo* imaging system (IVIS Lumina XRMS)
- Analytical instruments for respiratory functions (WBP, FlexiVent / spirography, pulse oximetry)
- *In vitro,* ex vivo analyses (FACS, MSD, Real Time qPCR, JESS Western, Incucyte)

Histology & Digital Pathology

In Vivo Disease Models

Non-GLP Rodent Models

Oncology/IO Models
- Over 100 xenograft
- Over 20 syngeneic
- Subcutaneous
- Metastatic
- Orthotopic
- Imaging
- Humanized models
- Adoptive transfer
- CAR-T
- Vaccine
- Immunophenotyping

Fibrotic Disease
- Lungs (Acute, Chronic)
- Liver
- Kidney
- Scleroderma
- MASH fibrosis
- Intestinal fibrosis

Inflammation
- 9 models

Infectious Disease
- 14 models
- Virus
- Bacteria

Wound Healing
- Diabetic Wound
- Incisional
- Excisional

Vaccine Immunogenicity
- Oncology
- Infectious Disease
- Cellular immunogenicity assays

Respiratory Disease
- Asthma
- Lung fibrosis
- Virus
- Acute Lung Injury

Immunological Disease
- 7 models
- Auto-immune
- Allergy

Custom Models
- Adapted from literature
- Tech transfer
- Assay development

In Vitro and *Ex Vivo* Assays

Immunology
- Immunophenotyping of tumors (FACS/Immunohistochemistry)
- FACS (up to 14 colors)
- PBMC subset analysis
- Cytokine profiling: multiplexed bead-based and MSD
- ELISA/ELISPOT
- Cytotoxic T lymphocyte killing assay
- Proliferation, cytotoxicity, and apoptosis
- ADCC, ADCP, and CDC

Antibody-drug conjugates
- Custom ELISA/MSD
- Internalization
- By-stander killing

Molecular Biology
- qPCR
- 5' RACE
- Western Blot/JESS

Assays performed in
- Cell lines
- Primary human cells
- Fresh whole blood / PBMCs / purified
- Clinical samples (blood, serum, and PBMCs)
- *Ex vivo* assays (rodent and human)

Cell Biology
- Cell cycle analysis
- Cell binding and receptor internalization
- ROS, phagocytosis
- Cell migration
- Mitochondrial function
- Clonogenicity assays
- Cell signaling

Virology
- Viral titration assays
- Viral neutralization assays
- Generation of viral stocks
- Cellular immunology

Additional Assays
- Western Blot
- Sircol soluble collagen
- Hydroxyproline assays
- AlphaLISA

Fibrosis
- Epithelial-to- Mesenchymal-Transition (EMT)
- Fibroblast-Myofibroblast
- Transformation (FMT)
- Scratch assay

Histology
- End-to-end core histology
- Special stains
- Immunohistochemistry
- Antibody optimization
- Digital Pathology

Let's begin the conversation

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f /AragenLifeSciences

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