



ARAGEN

Accelerate your product development efforts

ARAGEN BIOSCIENCE ANIMAL MODELS OF DISEASE

ONCOLOGY

Human Tumor Xenograft Models

- Human breast carcinomas: MDA-MB-231, MDA-MB-468, MCF-7, SKBr3, BT-474
- Human lung carcinomas: A549, A427, NCI-H1993, NCI-H1299, NCI-H226
- Human lymphoma: My-La, Raji, Daudi
- Human Pancreatic: PANC-1, MIA-PACA, PANC 10.05
- Human colon carcinomas: HT29, HCT116
- Human Leukemia: Kasumi, KG-1, NCI-H929, RPMI-8266, MM.1S, U266
- Additional cell lines xenograft models available

Syngeneic Tumor Models

Breast, Colon, Melanoma, Liver, Lung, Lymphoma

Other Oncology Models

- Lung metastasis model
- Orthotopic models of breast, kidney
- Subrenal capsule assay
- Vaccine Model

INFECTIOUS DISEASE MODELS

- *Clostridium difficile* associated diarrhea model in hamsters and mice
- Mouse Cytomegalovirus (mCMV)
- Respiratory Syncytial Virus (RSV) in mice and cotton rats

IMMUNOLOGY/INFLAMMATION MODELS

- Collagen-induced arthritis: DBA/1 mice, Lewis rats
- Adjuvant-induced arthritis: Rats
- EAE model: SJL mouse, Lewis rats
- LUPUS: NZBxNZW F1 mouse, MRL/LPR
- Delayed-type hypersensitivity in mice
- Type 1 diabetes in mice
- Anaphylaxis model in mice
- Endotoxemia models in mice and rats
- DSS induced IBD model in mice

Give your product development programs a flexible, efficient solution that makes the most of your budget and time. Aragen Bioscience offers a complete range of high quality, custom R&D services with an emphasis on customer service and technical leadership.

- Antibody Discovery
- Protein Science

- In Vivo Animal Models
- In Vitro Efficacy Testing

- Cell Line Development
- Bio-Production & Bio-Processing

RESPIRATORY DISEASE MODELS

- Asthma model: BALB/c, BDF1
- Lung fibrosis: C57B/L6, Wistar rats
- Respiratory Syncytial Virus (RSV): BALB/c and cotton rats

FIBROTIC DISEASE MODELS

- Lung fibrosis: Bleomycin-induced lung fibrosis in mice, rats
- Liver fibrosis: CCl4 in mice, TAA-induced liver fibrosis in rats

OTHER MODELS

- Pericarotid collar implantation model for localized atherosclerosis in mice
- Thrombosis model: Ferric chloride-induced arterial thrombosis in mice
- Angiogenesis models: Matrigel plug assay, Trevigen implants in mice
- Wound healing model: Excisional, and incisional models in normal and diabetic mice
- Musculo-skeletal syndrome (MSS) model in rats
- Osteochondral cartilage repair model
- Custom models of disease
- PK and Tox Studies

IN VIVO T CELL FUNCTION STUDIES

- In vivo proliferation assays (adoptive transfer of CFSE-labeled OT-I/OT-II T cells)
- In vivo CTL activity studies (adoptive transfer of CFSE-labeled T cell target cells)

ASSOCIATED ANALYSIS

Expression analysis by qPCR, FACS, ELISA, ELISPOT, VNA assays, cytospin slides, viral plaque assay, whole body plethysmography for evaluation of lung function, FlexiVent for lung mechanics, Blood Gas measurements, CBC-differential, Serum Chemistry, Cell sorting (MACS), luminescence assays and related *in vitro*, *ex-vivo* analysis.

NEW MODELS – COMING SOON!

- Human Parainfluenza Virus Type 3 (PIV3) infection
- Nonalcoholic Steatohepatitis (NASH)
- Psoriasis

Ask us about our full spectrum of services at
info@aragenbio.com