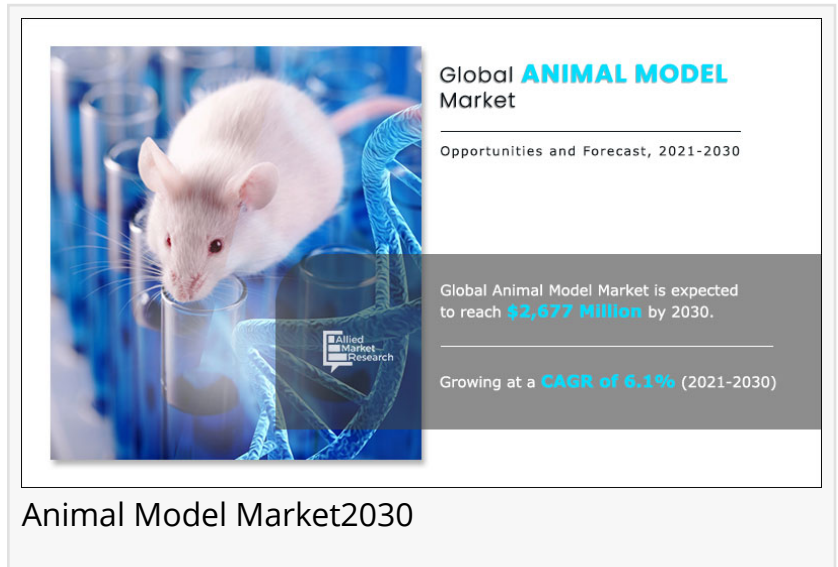


Exploring the Growing Role of Animal Models in Advancing Biomedical Research: An Analysis of the Animal Model Market

PORTLAND, OREGON, UNITED STATES, April 13, 2023 /EINPresswire.com/ -- The [animal model market](#) refers to the use of animals, such as mice, rats, and rabbits, in scientific research to study human diseases and develop new treatments. Animal models are used to understand how diseases work and to test potential new therapies before they are tested on humans. The animal model market involves the production, sale, and use of these animals, as well as the equipment and services necessary for conducting research using animal models. The market is driven by the demand for new treatments for diseases and the need for animal models that accurately reflect human biology.



The global animal model market was valued at \$1,469 million in 2020, and is projected to reach \$2,677 million by 2030, registering a CAGR of 6.1% from 2021 to 2030.

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The outbreak of COVID-19 gave way to rise in demand for large number of animal models, due to increase in R&D activities related to antiviral drugs and vaccines.

This trend is anticipated to persist so as to verify the safety & efficacy of new entities before going for human trials.

Animal models refer to those animals on which pathological and biological experiments are performed & tested. Animal models are utilized as animals and human beings share important

physiological & organic structures. In addition, some of the animal species share nearly similar genetic structure to humans. Thus, animal models are utilized by scientists and researchers to study & find a cure for diseases, test the final medicinal drugs before it is used on humans, and also to develop new products. New drugs are examined in animals for safety & efficacy before they are examined in humans. Moreover, animal models find applications in drug discovery & development, basic research, and others.

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Research institutions and academic centers: These organizations use animal models to study diseases and develop new treatments. They may conduct basic research to understand the mechanisms of disease, or translational research to develop new therapies.

Biotechnology and pharmaceutical companies: These companies use animal models to test potential new drugs and therapies. Animal models are often used in preclinical trials to determine the safety and efficacy of new treatments before they are tested in humans.

Contract research organizations (CROs): These companies provide research services to pharmaceutical and biotechnology companies. CROs may specialize in animal model research and offer a range of services, such as animal breeding, animal housing and care, and study design and execution.

Government and regulatory agencies: These organizations may use animal models to evaluate the safety and efficacy of new drugs and therapies, or to establish guidelines for the use of animal models in research.

Non-profit organizations: These organizations may use animal models to support research into specific diseases or conditions, or to advocate for animal welfare and ethical research practices.

Overall, the animal model market serves a wide range of stakeholders, including researchers, drug developers, regulatory agencies, and animal welfare advocates.

By region, North America held the major share in 2020, garnering nearly two-fifths of the global animal model market, owing to increase in preclinical activities by pharmaceutical and biotech companies during drug development, rise in use of animal models by CROs, and surge in focus on personalized medicines in this region. The market across Asia-Pacific, on the other hand, would cite the fastest CAGR of 7.3% during the forecast period, due to increase in research on biomedical and regenerative medicines, rise in awareness related to animal models, and

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availability of trained medical professionals in this province.

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