+357 96 030922
info@marketpublishers.com

Non-animal Alternative Testing Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

https://marketpublishers.com/r/N0086B9E06B1EN.html
Date: October 2024
Pages: 137
Price: US$ 4,850.00 (Single User License)
ID: N0086B9E06B1EN

Abstracts

The Global Non-Animal Alternative Testing Market, valued at USD 1.8 billion in 2023, is projected to expand at a CAGR of 11.9% from 2024 to 2032. This growth is driven by rising investments and research grants advancing alternative testing methods. Heightened ethical concerns surrounding animal testing, alongside regulatory initiatives from agencies such as the U.S. FDA and European Union, have accelerated the shift toward humane testing alternatives. These policies foster investment in innovative technologies that offer viable, ethical testing solutions. In recent years, technological advancements have allowed researchers to simulate human physiological responses with more accuracy than traditional animal testing methods.

These innovations transform drug development and safety testing, providing predictive insights into human biology. The market, categorized by product type, includes organ-on-chips, cell lines, and tissue models. Cell lines emerged as the leading segment in 2023, capturing a market value of USD 1.2 billion. These models have become invaluable in fields like drug efficacy and toxicity testing due to their adaptability in mimicking various human physiological functions.

Their capability for high-volume production also makes them a preferred choice for high throughput screening processes, ensuring consistent, reproducible results essential for regulatory and scientific validation. By technology, the non-animal alternative testing market segments into cell culture technology, high-throughput technology, molecular imaging, and omics. Cell culture technology led the market in 2023, with a 49.4% share, due to its capacity to grow and manipulate human cells in vitro, offering a more relevant biological model for studying diseases and drug responses. This technology not only enhances the reliability of test outcomes but also supports the scalable production of cell lines, streamlining the testing of vast numbers of compounds essential for drug discovery.

+357 96 030922
info@marketpublishers.com

U.S. non-animal alternative testing market is expected to reach USD 1.9 billion by 2032, led by high public awareness and mounting ethical concerns over animal testing. In 2023, the U.S. accounted for the largest revenue share in North America, totaling USD 656.6 million. Public demand for humane research practices has prompted pharmaceutical companies to adopt non-animal testing, backed by robust funding and research grants, including contributions from the National Institutes of Health (NIH). This influx of funding is fueling both research and application of non-animal testing methods across sectors, supporting a sustainable transition away from animal-based models.

+357 96 030922
info@marketpublishers.com

Contents

Report Content

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 11 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Non-animal Alternative Testing Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 – 2032

Product link: https://marketpublishers.com/r/N0086B9E06B1EN.html

Price: US$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/N0086B9E06B1EN.html