

Lung in Vitro Model Market Size, Major Strategies, Trend, Key Companies, Revenue Share Analysis, 2018–2028

Lung in Vitro Model Market report also sheds light on the supply chains and the changes in the trends of the upstream raw materials and downstream distributors.

NEW YORK, NY, UNITED STATES, June 23, 2022 /EINPresswire.com/ -- The global [lung in vitro model market](#) size is expected to reach USD 976.9

Million in 2028 and register a CAGR of 17.9%, according to the latest report by Reports and Data. Advancements in cell culturing technology, high preference for in vitro models instead of animal models, introduction of new 3D in vitro models, and increasing prevalence of lung disorders and lung cancer are key factors driving global market revenue growth.

Lungs are one of the important organs in the human body. Dysfunction in lungs affects the structure and functioning that can cause lethal effects. Though animal models are prevalently used for drug screening, introduction of better alternatives to minimize experiments on animals is boosting demand for in vitro models. Rising prevalence of lung diseases like asthma, lung cancer, Idiopathic Pulmonary Fibrosis (IPF), Chronic Obstructive Pulmonary Disease (COPD), and stringent regulations regarding animal experimenting is boosting global market growth. In addition, increasing adoption of 3D cell culture, introduction of advanced 3D in vitro models, and increasing research activities on lung disorders are supporting growth of the global lung in vitro model market. High usage of in vitro models in contract research organizations, pharmaceuticals and biotechnology companies, and other research institutes is also fueling market revenue growth.

However, factors such as dearth of trained professionals and researchers, high initial investments, and unawareness about in vitro models especially in developing countries are key restraints that are expected to hamper global market growth in the forecast period.

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Epithelix, MatTek Corporation, Lonza, ATCC, InSphero, Emulate, AlveoliX, Oncotheis, Thermo Fischer Scientific Inc., PromoCell GmbH, Merck KGaA, TissUse, Mimetas, and CN Bio Innovations are some key players operating in the global lung in vitro model market.

Some key highlights in the report:

- Among the type segments, 3D model segment is expected to register rapid revenue CAGR over the forecast period owing to high demand for 3D models to mimic in vivo physiology of lungs more efficiently.
- Based on application, the drug discovery segment is expected to account for largest revenue share in the global lung in vitro model. Factors such as rising investments for developing new drugs and increasing adoption of 3D models to provide a favorable environment for drug discovery applications are supporting segment growth.
- North America is expected to account for largest revenue share among other regions over the forecast period. Presence of key market players, rising investments by major companies in research and development activities, presence of well-established laboratories and healthcare sector, and rising funds from National Institute of Health (NIH) are boosting market growth in this region.
- The lung in vitro market in Asia Pacific is expected to register highest revenue growth between 2018 and 2028 owing to increasing investments in research and development activities, ongoing research on drug development, growing awareness about in vitro model testing, improvements in healthcare infrastructure, and high prevalence of lung cancer and lung infections.

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For this study, Reports and Data has segmented the global lung in vitro model market based on Type, Application, and Region:

Based On Type: (Revenue, USD Million, 2018 - 2028)

- 2D Models
- 3D Models
 - o In-house 3D Models
 - o Commercialized 3D Models

Based On Application: (Revenue, USD Million, 2018 - 2028)

- Drug Discovery
- Toxicology
- 3D Model Development
- Basic Research
- Physiological Research

- Stem Cell Research and Regenerative Medicine

Market Segmentation by Regions:

North America (U.S., Canada)

Europe (U.K., Italy, Germany, France, Rest of EU)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

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Key Point Summary of the Report:

The global Lung in Vitro Model market research report is an investigative study offering key insights into the latest growth trends, developments, technological and product advancements, and the research and development scenario. The report also covers the market aspects that directly influence the growth of the market. These features include strategies undertaken by the prominent players, their expansion tactics, and the product portfolios of the companies, and micro and macro-economic factors.

The study also analyses the crucial market aspects, including R&D, product launches and brand promotions, mergers and acquisitions, collaborations, joint ventures, and the growth pattern on both regional and global levels. The report offers an in-depth evaluation of factors such as cost, capacity, rates of production and consumption, gross revenue, profit margin, demand and supply ratio, import/export, market share, market size, and market trends.

The Global Lung in Vitro Model Market includes relevant and verified information relating to the overall market, key players, and their market position and financial standing. The report utilizes advanced analytical tools such as SWOT analysis, Porter's Five Forces Analysis, investment return analysis, and feasibility analysis to offer a comprehensive view of the market position of the major players of the industry.

To summarize everything stated above, the report offers key insights into the Lung in Vitro Model market to allow the reader to gain a complete understanding of the Global Lung in Vitro Model Market through accurate estimations, a panoramic view of the market scenario, competitive landscape, factors influencing the growth of the market, driving factors, restraints, regulatory framework, growth prospects and opportunities, and factors propelling the market forward. The

research study offers an in-depth view of the industry to offer a competitive edge to the reader and help them in formulating beneficial investment plans. The report provides a comprehensive overview of the market with facts relating to the past, present, and future of the Global Lung in Vitro Model Market.

Thank you for reading the report. The report can be customized as per the requirements of the clients. For further information or queries about customization options, please reach out to us, and we will offer you the report best suited for your needs.

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