

# Global Patient Derived Xenograft & PDX Models Market 2023 by Company, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G6E73FD86195EN.html

Date: January 2023

Pages: 100

Price: US\$ 3,480.00 (Single User License)

ID: G6E73FD86195EN

# **Abstracts**

Patient derived xenografts (PDX) are models of cancer where the tissue or cells from a patient's tumor are implanted into an immunodeficient or humanized mouse. PDX models are used to create an environment that allows for the natural growth of cancer, its monitoring, and corresponding treatment evaluations for the original patient.

According to our (Global Info Research) latest study, the global Patient Derived Xenograft & PDX Models market size was valued at USD 341.2 million in 2022 and is forecast to a readjusted size of USD 589.9 million by 2029 with a CAGR of 8.1% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Global top 5 manufacturers of patient-derived xenograft (PDX) models occupied for a share nearly 45 percent, key players are Crown Bioscience, Champions Oncology, Wuxi Apptec, EPO Berlin-Buch, and Oncodesign, etc. Geographically speaking, Asia Pacific holds the most of global market share, about 35%. North America holds about 30% of share, while Europe followed by nearly 20%. In terms of type, mouse model accounted for nearly 75%, and rat model accounted for a share of 25%,The application of patient-derived xenograft (PDX) models includes preclinical drug development and biomarker analysis. Preclinical drug development shares over 75%, while biomarker analysis shares about 20%.

This report is a detailed and comprehensive analysis for global Patient Derived Xenograft & PDX Models market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends,



as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Patient Derived Xenograft & PDX Models market size and forecasts, in consumption value (\$ Million), 2018-2029

Global Patient Derived Xenograft & PDX Models market size and forecasts by region and country, in consumption value (\$ Million), 2018-2029

Global Patient Derived Xenograft & PDX Models market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2018-2029

Global Patient Derived Xenograft & PDX Models market shares of main players, in revenue (\$ Million), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Patient Derived Xenograft & PDX Models

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Patient Derived Xenograft & PDX Models market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Crown Bioscience, The Jackson Laboratory, Champions Oncology, Charles River Laboratories and WuXi Apptec, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market segmentation



Patient Derived Xenograft & PDX Models market is split by Type and by Application. For the period 2018-2029, the growth among segments provide accurate calculations and forecasts for consumption value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type
Mice Models
Rat Models
Market segment by Application
Pre-clinical Drug Development and Basic Cancer Research
Biomarker Analysis
Market segment by players, this report covers
Crown Bioscience
The Jackson Laboratory
Champions Oncology
Charles River Laboratories
WuXi Apptec
Oncodesign
Horizon Discovery
Pharmatest Services

Hera Biolabs



**EPO Berlin-Buch** 

Xentech

Urolead

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Patient Derived Xenograft & PDX Models product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Patient Derived Xenograft & PDX Models, with revenue, gross margin and global market share of Patient Derived Xenograft & PDX Models from 2018 to 2023.

Chapter 3, the Patient Derived Xenograft & PDX Models competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2018 to 2029.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2018 to 2023.and Patient



Derived Xenograft & PDX Models market forecast, by regions, type and application, with consumption value, from 2024 to 2029.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War

Chapter 12, the key raw materials and key suppliers, and industry chain of Patient Derived Xenograft & PDX Models.

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