

Plant Cell Photobioreactors Market, Global Outlook and Forecast 2022-2028

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Abstracts

Most of the initial cell culture reactors used bioreactor. Because of the difference in morphology and structure between plant cells and microbial cells, plant cells are larger than microbial cells, which are less tolerant to shear stress and require much less oxygen than microbial cells, therefore, bioreactor are not entirely suitable for plant cell growth and production. Many plant cells need light in the process of culture, and it is often considered to add light system on the basis of common reactor, but there are many problems in practice, such as installation and protection of light source, transmission of light and the influence of the illumination system on the reactor gas supply and mixing. External illumination is often used in small-scale experiments. The reactor surface has a transparent illumination area and the light source is fixed around the reactor. However, it is difficult to solve the problems of light transmission window and even light reception of internal culture in large-scale production, so plant cell photobioreactor is widely used.

This report contains market size and forecasts of Plant Cell Photobioreactors in global, including the following market information:

Global Plant Cell Photobioreactors Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Plant Cell Photobioreactors Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Plant Cell Photobioreactors companies in 2021 (%)

The global Plant Cell Photobioreactors market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Up to 100L Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Plant Cell Photobioreactors include Sartorius, BBI-Biotech, Texas Biotec, IKA, Shanghai Baoxing, Micro-Giant BioEngineering, Solaris Biotech and Yantai Gaoxin Haiyang, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Plant Cell Photobioreactors manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Plant Cell Photobioreactors Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Plant Cell Photobioreactors Market Segment Percentages, by Type, 2021 (%)

Up to 100L

100L-500L

500L-1000L

Other

Global Plant Cell Photobioreactors Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Plant Cell Photobioreactors Market Segment Percentages, by Application, 2021 (%)

Labs

Chemical Plant

Global Plant Cell Photobioreactors Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Plant Cell Photobioreactors Market Segment Percentages, By Region and
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Plant Cell Photobioreactors revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Plant Cell Photobioreactors revenues share in global market, 2021 (%)

Key companies Plant Cell Photobioreactors sales in global market, 2017-2022
(Estimated), (K Units)

Key companies Plant Cell Photobioreactors sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Sartorius

BBI-Biotech

Texas Biotec

IKA

Shanghai Baoxing

Micro-Giant BioEngineering

Solaris Biotech

Yantai Gaoxin Haiyang

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